

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

DECEMBER 1988

SEASON'S GREETINGS!



From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

F2 CONDITIONS SHOWING GREAT PROMISE...F2 skip seems to be making the impressive showing that many DXers have been expecting. California DXers send word of strong New Zealand and Australia video "sync buzz" heard in the 45-46 MHz range; amateur radio signals above 50 MHz from southern Africa have been heard in the northeastern U.S.; and as this is being written in mid-November, conditions across the Atlantic have been improving to the point where 48 MHz continental European video quite probably has been detected by DXers along the East Coast of North America by now! Has anyone actually seen F2 TV signals yet? Stay tuned!

UNUSUAL AUTUMN E-SKIP...Usually, we don't expect to find much E-skip activity "off-season" until the late December/early January winter peak; this year may be an exception. A few WTFDAers have commented about exceptionally good Es openings in October and early November. It may not just be due to the increased attention being paid to the lower VHF bands by DXers following F2 activity--the openings seem to have been unusually good for the time of the year in concern, even making it to the top of the FM broadcast band, and featuring "mid-summer" type signal strengths.

COLUMN NEWS...It should be noted that NWS NEWS would have reached us in time for last month's issue if it wasn't for a piece of machinery at the U.S. Postal Service that apparently tried to swallow it...

CREDIT IS DUE...We'd like to thank the person who submitted the September VUD cover--we received it in an envelope postmarked Salisbury, MD with an unsigned note. Thanks, whoever you are!...Thanks are due to Dave Nieman for his great assistance in the publishing of recent VUD editions--he often makes the trip into Buffalo to help with monthly mailings--and all this in addition to his duties as photo editor! Dave also deserves our thanks for donating layout services for the past few years, and is one of several members dedicated to TV/FM DX hobby who are the reason that WTFDA is still going strong in an era when other specialized DX clubs come and go in a matter of months...

PROPOSED WTFDA DUES INCREASE...Pending approval of the Board of Directors, club dues will increase by \$2 after January 31, 1989. You can extend or renew your dues up to two years at \$15/year up until then. Next month's issue will feature details of the proposed new dues structure.

TABLE OF CONTENTS

NWS NEWS: November's column, better late than never.....	4
TELEVISION NEWS: 5 MegaWatt channel 47 on in Florida.....	7
FCC FM NEWS: A new Rhode Island DX target on 99.3.....	14
SATELLITE NEWS: The K-band birds were busy on election night.....	19
EASTERN TV DX: Some good October tropo in the South.....	20
WESTERN TV DX: A washout for tropo elsewhere, but E-skip seen in WA.....	23
NORTHERN FM DX: Many reports reflect good September DX.....	26
SOUTHERN FM DX: Featuring a report from the land downunder.....	39
PHOTO NEWS: Including California E-skip shots, NY and TN tropo pix.....	40
TIPS FOR F2 TV DX'ING: Rich Turcsany's hints for seeing F2 on tube.....	43
ANARC UPDATE: There are some real nice folks in Tennessee.....	44
FEEDBACK: Too many DX club conventions in the summer?.....	46

ABC TALKRADIO RAY BRIEM SHOW-- "DX SPECIAL!"

SATURDAY, JANUARY 7, 1989--0806 UTC

ONCE AGAIN, THE AIRWAVES COME ALIVE WITH NEWS AND VIEWS FROM OUR PANEL OF DXPERTS! JOIN RAY--AND OUR GUESTS, STEVE MILLER OF RADIO WEST; STEWART MACKENZIE OF THE AMERICAN SHORTWAVE LISTENERS' CLUB; GEORGE JACOBS, WORLD-RENOWNED SHORTWAVE ENGINEERING CONSULTANT; TOM KNEITEL, EDITOR OF "POPULAR COMMUNICATIONS"; AND LARRY MAGNE, PUBLISHER OF THE "PASSPORT TO WORLD-BAND RADIO". CALL IN AND ASK QUESTIONS, OR TELL TALES ABOUT YOUR EXPERIENCES IN ANY AREA OF DXING, WHETHER IT'S LONG-WAVE, MEDIUM WAVE, SHORTWAVE, UTES, FM/TV/VHF/UHF, MICROWAVE (SORRY, NO OVENS INCLUDED!), OR SATELLITE DXING. LISTENERS FROM OUTSIDE THE LOS ANGELES AREA MAY DIAL 1-(213)-879-8255, TO JOIN IN -- JUST LET THE CONNECTION RING, UNTIL WE ANSWER--THEN, IT'S YOUR TURN TO GO ON THE AIR, WITH RAY AND THE PANEL--REMEMBER, WE WANT TO HEAR FROM YOU!! (STARTING TIMES MAY VARY--CHECK LOCAL STNS.)

PRIME AFFILIATES

WABC- 770 KHZ
WSB - 750 KHZ
WKOX-1200 KHZ
WIOD- 610 KHZ
WERC- 960 KHZ
WJBO-1150 KHZ
KPRC- 950 KHZ

WNIR-100.1 MHZ
WISN-1130 KHZ
WJNT-1180 KHZ
KSTP-1500 KHZ
WPTF- 680 KHZ

KABC- 790 KHZ
KTAR- 620 KHZ
KOH - 630 KHZ
KNST- 940 KHZ
KFIY-1270 KHZ
KTKK- 630 KHZ
KZIA-FM - 101.7 MHZ

NEWS

Matt Sittel
PO Box 21441
Room 509G
South Hall
NCSU
Raleigh, NC 27607
(919) 737-5477

Deadline: 12/1/88
for 1/89 VUD

NOVEMBER 1988

NOVEMBER 1988

NOVEMBER 1988

A LOOK AT WHAT'S NEWS FOLLOWS THE WEATHER: As we move into the late autumn season, let's take a look back at the weather. In Kingsport we hit 101° in August, while Raleigh peaked at an all-time high tie of 105°. But now here in early October as I type this we are in a spell of cool weather, with highs struggling into the low 60's and lows near 40, about 12° below normal on both. How has this been on DX? I don't know. I have to learn about the DX trends here in Raleigh before I can tell, but I've noticed that tropics pick up just after a front moves through, and skies have cleared. During rain they are terrible. Is this a correct observation? Any area DXers with any opinions on this would be most appreciated, as I am just learning about TV tropo, which I have become hooked on! Now, let's get to the News. William R. Hepburn, 1547 Mississauga Valley Blvd #1211, Mississauga, ON L5A 3X8 Canada

(Editor's Note: Bill suggested to me that I start printing the information you see below. I think it is a fine idea, as there isn't any place for it anyway in the VUD, so I'll be glad to print it. If more of you report these, I might have to change the column title to NWS and AVIATION NEWS! But, please note this isn't a scanner DX column—I won't print those police and fire things, just the NWS and these aviation frequencies.—mcs)

So far I've received 9 weather-radio, 14 aviation, 10 marine, 9 nav aids, and 6 STL's.

Best DX is still 220 miles. E-skip hit over 108 MHz only once so far this year. Nothing heard. The Olean, NY AWOS was interesting... a computer-generated voice gave updated temp/dew point/winds/altimeter/density altitude every 2 minutes.

(Bill lists the abbreviations that he uses below, and in anticipation of future use, try to remember them or clip and save the information, hi!—mcs)

AVIATION

ATIS Automatic Terminal Information Service
AWOS Automated Weather Observing System
HIWAS Hazardous Inflight Weather Advisory Service
ILS Instrument Landing System
NDB UHF Non-Directional Beacon
TWEB Transcribed Weather Broadcast
VOR VHF Omni-Directional Range

MARINE

CMB Continuous Marine Broadcast (Canada)
USCG US Coast Guard Marine Info. B'cst
MAR Commercial Marine Broadcast
WEATHER
WRC Weatheradio Canada (I use WC—mcs)
RADIO
STL Studio-to-Transmitter Link

Now for Bill's DX:

APRIL 1988

02 tr 1017 "BUF" 135.35 NY Buffalo ATIS 64
17 tr 0957 WXL-55 162.40 PA Williamsport 215

JUNE 1988

19 Es 1231 MUF 109.2

JULY 1988

17 tr 2130 VBE 161.65 ON Port Burwell CMB 85
(studio in Sarnia)
KHB-97 162.40 OH Castalia 220
((// KHB-59 162.55)
2135 KHB-59 162.55 OH Chesterland 170
(studio in Cleveland)

Equipment: Realistic PRO-2004 Antenna: h & v dipoles/amp, 12th floor (Bill explains in his 2nd report: active VHF dipole vertical on 12th floor balcony)

Now, Bill's DX Part II!

AUGUST 1988

08 tr 0640 WXM-33 162.40 PA Johnstown 230
((// WXL-52)
09 tr 0041 YTR 135.45/257.7 ON Trenton ATIS 112
11 tr 0654 WXL-31 162.55 NY Syracuse 175

JULY 1988 cont.

2146 NMD-15 157.10 OH Marblehead T
(unID NOTSHIP bcst for Lakes Huron, St. Clair & Erie)
18 tr 0817 "ERI" 120.35 PA Erie ATIS 114
0847 WXL-52 162.55 PA Clearfield 190
2100 UNID 948.995 NY Buffalo STL 64
(WBEN AM-930)

AUGUST 1988

03 tr 0253 "OLE" 118.375 NY Olean AWOS 112
0419 JHW 114.70 NY Jamestown VOR 101

SEPTEMBER 1988

12 tr 0711 ERI 110.8 PA Erie VOR 114
22 tr 0239 WXL-93 162.40 OH Lima 300
(Dayton studio) (Nice catch!—mcs)
(12 tr-voice message Erie V-O-R—mcs, I forgot)

Regarding the call letters:

108-118 MHz and UHF NDB's: These are the calls in Morse Code of the aero navigation aid (some have voice broadcasts super-imposed). 118-136 MHz: These are the calls of the originating airport (3-letter ident.) in lieu of any other info on correct call. In Canada, the correct ICAO calls have C in front, thus are either CX- or CZ-, in USA, a K is put in front but this creates a problem since ERIE (KERI) is also the same as an AM station. So I think the 3-letter ident. is best. Any ideas? (I agree—mcs)

Bill Hepburn's report cont.

PSB BROADCAST STATION FREQUENCIES

108.0-111.9	AIR NAVAID (Canada)	161.9-162.1	PRIVATE MARINE INFO (USA)
	AIR NAVAID/AVIATION INFO (USA)	162.4-162.55	WEATHER INFO (Canada/USA)
112.0-117.9	AIR NAVAID/AVIATION INFO (Canada/USA)		MARINE INFO (Canada)
118.0-129.0	AVIATION INFO (Canada/USA)	225.0-400.0	MILITARY AVIATION INFO (Canada)
132.0-136.0	AVIATION INFO (Canada/USA)		MILITARY AIR NAVAID/AVIATION INFO (USA)
156.3-157.0	PRIVATE MARINE INFO (USA)	450.0-451.0	RADIO/TV STL (Canada/USA)
157.1	MARINE INFO (USA)	455.0-456.0	RADIO/TV STL (Canada/USA)
161.65-161.9	MARINE INFO (Canada)	around 949?	RADIO/TV STL

(Thanks, Bill, for all the information! It should be helpful to many DXers.-mcs)

Charles Gauthier, 3260 Beaulieu, Brossard, PQ J4Z 2P7 Canada

MYRTLE BEACH BANDSCAN July 16-24, 1988 Equipment used: Realistic 12-141 Weatheradio

On the way to Myrtle Beach:

PQ 15 to the border-I87 to Albany, NY-I90 to Schenectady, NY-I88 to Binghamton, NY-

I81 to Staunton, VA-I64 to Richmond, VA-I95 to south of the border, SC-US501 to Myrtle Beach, SC

Bandscan:

XLM-300 .550	PQ Montreal	WXL-39 .400	PA Allentown	WXL-59 .475	NC Rocky Mount
KIG-60 .400	VT Burlington	WXL-40 .550	PA Harrisburg	WXL-58 .550	NC Raleigh
WXL-34 .550	NY Albany	WXM-42 .475	MD Hagerstown	WXL-50 .475	NC Fayetteville
WXL-38 .475	NY Binghamton	KHB-36 .550	DC Washington	WXJ-22 .550	SC Florence
WXL-43 .550	PA Wilkes-Barre	WXX-55 .475	VA Richmond	KEC-95 .400	SC Myrtle Beach

Back to Montreal:

US501 to south of the border SC-I95 to Wilmington, DE-New Jersey Turnpike-Garden State Parkway-I87 to the border-PQ15 to Brossard, PQ

Bandscan from Baltimore, MD to Kingston, NY:

KEC83 .400 MD Baltimore--KIH28 .475 PA Philadelphia--KWO35 .550 NYC--WXL37 .475 NY Kingston

XLM-300: lost signal after 10 miles into the US.

KIG-60: they have a pretty strong signal (antenna atop Mt. Mansfield, VT). On the way back I caught their signal in Saratoga Spring, NY, 120 miles from transmitter site.

The first night (July 16) we stopped in Winchester, VA. At 6:00PM it was 103°F! I did some DX in the motel room; on .550 KHB36, Washington, DC (45 miles), on .475 WXM42 Hagerstown, MD (40 miles), on .400 unID from West Virginia? I think I've heard WXM-73 but that should be on .525 (Romney, WV). Maybe overloading? Is that possible? (I found they switched their frequency. They must have a good location-I heard them in Waynesboro, VA!-mcs)

Next morning (July 17), we drove south on I81 through Shenandoah Valley to Staunton. Then we took I-64 and crossed Blue Ridge Mtns. (probably the most beautiful place I've ever seen!) We stopped at one of the scenic stop and WXX55 Richmond (90 miles) was crystal clear on .475. Nothing on the other two channels though. After crossing the mountains I lost Richmond and it came back only 40 miles from the city.

One last comment about the bandscan: KIH-28 in Philadelphia has a very nice "AM radio sound" just like XLM-300 in Montreal. All the others had a "telephone sound". I wonder what is the difference between the equipment used in each case?! Or is it just in my imagination?

DX in Myrtle Beach (or Trop City!) SC

JULY 1988

17 tr 1835	KIH63 .475	FL Orlando	395	18 tr 1609	KHB39 .550	FL Jacksonville	290
2123	KIG77 .475	NC Cape Hatteras	223	1610	KIH26 .400	FL Daytona Beach	348
18 tr 0720	KHB31 .550	NC Wilmington	68	21 tr 1838	KHB39 .550	FL Jacksonville	290

DX was done on the balcony of our room (oceanfront) on the 8th floor of the Swamp Fox Towers at about 125 feet above ground.

On the first night, I was very surprised to find a very low (almost inaudible) signal from KEC95. In fact the only place in the room where I had a fairly good signal was in the bathtub! So all week it was nulled very easily to my great enjoyment.

But I was even more surprised when I found Orlando on .475 with a powerful signal! KIG77 was heard continuously from 2130 on the 17th to 1800 on the 18th. It came back on both nights of the 21st and 22nd.

It was great to finally have a taste of those famous coastal tropics! 73 Charles (You and Greg Coniglio have both done well there-I haven't ever DXed there, but it sure sounds great-I wonder if the Outer Banks or Myrtle Beach is better?-mcs)

Greg Coniglio, 5100 Glenwood Drive, Williamsville, NY 14221

From August 18 to 21 I took a trip around various parts of New York State. I brought a weatherradio. The following weather stations were taped:

KHA-53 Rochester, NY .400 WXL-31 Syracuse, NY .550 WXL-38 Binghamton, NY .475

Here is what could be heard from various locations:

COOPERSTOWN, NY (Baseball Hall of Fame): Only Albany on .550 was heard, and they were weak. BINGHAMTON, NY Only Binghamton NWS heard.

ELMIRA, NY Only Elmira heard. They are on .400, and seem to translate the Binghamton NWS.

CORNING, NY Elmira on .400 heard, as well as a station that seemed to serve Central PA on .550. Probably Clearfield. 73, Greg.

Matt Sittel, Raleigh, NC, Editor of NWS NEWS and DX addict

First, I will list the stations I have received so far, with discussion afterwards.

WXL58 .550 NC Raleigh	22	KEC95 .400 SC Myrtle Beach	147
WXL50 .475 NC Fayetteville	51	WXL59 .475 NC Rocky Mount	66
KEC84 .400 NC New Bern	104	WXL42 .400 NC Winston-Salem	89
KEC85 .400 GA Savannah	291	WXL56 .400 NC Asheville	218
KHB31 .550 NC Wilmington	116		

I am listing them in this manner for 2 reasons: 1. With 162.40 completely clear nearly every morning some station is in. 2. I haven't kept the neatest logs in the last month or so! But I did note the best openings and they are listed below:

9/2 0721 KEC84	9/12 2108 KEC84	In these openings, locals are WXL58 and
9/12 0715 KEC95, KHB31	9/13 0722 KEC85, KHB31	WXL50, WXL50 the stronger of the two!!!
9/24 0731 WXL56	9/30 1112 WXL56	So, since they are in always, they are not

listed in the above loggings. I am thrilled with DX in Raleigh! No E-skip so far, but tropes that although have not been huge, have been enough to get me hooked on UHF TV DX! And of course I check my scanner for the NWS! As I said, nearly every morning something will be in on 162.40, usually Winston-Salem, sometimes New Bern, and occasionally Asheville. Savannah was first logged on August 26 at 0940. Much to my delight (I had only been in Raleigh less than 24 hours!!!) I thought that this was going to be a super DX spot! And it is! Within an hour and a half I also heard Myrtle Beach at 1108! Whoops-I forgot 9/23 0659 KEC95, KHB31. TV has been pretty good also. The first taste of tropes started the very first night! But I love those tropes!

OTHER NWS NOTES: I got a letter from the NWS HQ's in MD concerning some stations I had asked about concerning frequency changes. He mentioned that there were more changes than I had thought! The letter goes something like this, from Donald R. Wernly, Chief, Warning and Forecast Branch:

"You certainly are well aware of the NWR program. As you have noted several changes have occurred in the NWR station listing dated January 1984; unfortunately, we have no immediate plans to update this list. We also do not have a list of addresses for the entire NWR network.

We are in the process of updating the orange NWR brochure, which should be available this fall. We will send you one as soon as we receive our copies from the printer. The new brochure will reflect several station changes, since the last printing in 1985. You were aware of some of the changes; others include:

New stations in Cross, SC (.475), Towanda, PA (.475), Wellsboro, PA (.550), Park Falls, WI (.500) Lake Powell, AZ (.550). We have discontinued broadcasts from Columbia, AL and Merced, CA."

Well, looks like they won't have a new list anytime soon that has all of the information so it looks like YOU are going to have to supply it!

I want to take time here to thank John and Louise Broomall for hosting the convention. I had a wonderful time meeting everybody, and I know all who attended thank you for your time and effort for a fantastic convention!

With school starting, my time for corresponding has decreased greatly. So it will likely take me awhile to respond. Please bear with me! Also, for those who ever want to call, try after 11PM to midnight! Also, if anybody is seeing Raleigh on tropes (or hearing it) I am up from about 6:45 to 7:30AM weekday mornings to DX before classes. If anybody sees Raleigh a lot and would want a DX call in return, let me know and I can call should your locals be in in the morning! Also, I can even call in the middle of the night for you overnight DXers! (That is, if I'm awake!) It would be nice if there would be a toll-free number that DXers could call in and leave messages of DX activity, and hear other DX tips also! Also, let me be the first editor to wish you and yours a very happy holiday season! Since this column appears every other month this is the last column before Christmas! If I wait until next column it will already have passed-thus the season's greetings now. Also, anyone who would like an Eastern North Carolina TV Guide just ask. I'm open for any edition, in particular I am in greatest need of Atlantic coast editions, especially South Carolina, Southern Georgia, and Eastern Virginia. Can you help? If so it would be most appreciated. Newspaper TV magazine from the local paper can be sent upon request. I save them so just ask!

NEXT TIME: I want to make an NWS-DX STATISTICS for next time. How many NWS stations have YOU received? No matter how many I hope you'll send in your totals. Also, there will be the standard amount of DX, bandscans, etc. so write in!!!

73's
Matt

Television news

Bill Fahber, editor
336 Atlantic Street
Bridgeton NJ 08302

ABBREVIATIONS USED IN THIS COLUMN:

AAT	Antenna height above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ELL	Elliptical polarization
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	Measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	Carrier frequency offset 10 kHz above standard
-	Carrier frequency offset 10 kHz below standard
Z	Carrier frequency not offset

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	HAAT	CITY/APPLICANT
NC	4	100	1959	Manteo; Manteo TV Associates (amended)
WI	52	2500	764	Mayville; Pacer Television Company (amended)
WY	10	169	1726	Riverton; First National Broadcasting Corporation (in contest with license renewal of KFNE)
WY	11	1.67	230	Rawlins; First National Broadcasting Corporation (in contest with license renewal of KFNR)

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	HAAT	CITY/APPLICANT
AZ	4	100	377	Flagstaff; WTVW Inc.
AZ	51	5000	1755	Tolleson; Hector Garcia Salvatierra (Review Board, reversing initial decision)
MS	51	5000	1443	Jackson; JAM Communications Inc. (initial decision)
OR	31	100	2373	Klamath Falls; Sunshine Television Inc. (summary decision)
PR	46	1000	1374	Guayama; Ebenezer Broadcasting Group Inc. (summary decision)
SC	63	5000	1781	Sumter; C. Fred McLaughlin (summary decision)
TN	8	316	1880	Knoxville; Knoxville Channel 8 Ltd.
VA	44	4130	109	Danville; A.W. Broadcasting

APPLICATIONS DISMISSED

AZ	Flagstaff; ch. 4; Flagstaff Broadcasting Ltd.
AZ	Tolleson; ch. 51; Alden Television Inc.; Aztec Broadcasting Corporation (original permittee by

initial decision); Doylan Forney; Estrella Communications Ltd. Partnership; Li-Com Partnership; Maricopa Media Inc.; T.V. Broadcasters Inc.; Tolleson Broadcasting Corporation; Tolleson-Gomez Communications. (Review Board decision)

CA	El Centro; ch. 7; Imperial Valley Broadcasting Ltd. Partnership; SICC Holding Corporation (as in Spanish International Communications Corp.)
CA	San Bernardino; ch. 30; All Nations Christian Broadcasting Inc.; A&R Broadcasting Company; Buenavision; Good News Broadcasting Network; Inland Empire Television; Religious Broadcasting Network; San Bernardino Broadcasting Ltd.; Sandino Telecasters Ltd. Partnership; Solano Broadcasting Ltd.; SSP Broadcasting Ltd. Partnership; Television 30 Inc. (Review Board, upholding initial decision)
MS	Jackson; ch. 51; Delta Television Ltd.; Robert J. Nichols Jr. (initial decision)
MO	Kansas City; ch. 32; Mark L. Wodlinger.
PR	Guayama; ch. 46; Ministerio Radial Cristo Viene Pronto Inc.
SC	Florence; ch. 21; Albert D. Erwin; Island Television Inc.
SC	Sumter; ch. 63; Channel 63 Limited Partnership; Sumter Television Inc.; Tantamount Communications Inc. (summary decision)
TX	Bryan; ch. 28; Central Texas Broadcasting Company Ltd.
TN	Knoxville; ch. 8; Citizens Community Television Inc.; Community Broadcasters of Knoxville Inc.; East Tennessee Broadcasting; HHS Inc.; Knoxville Broadcasting Corporation; Knoxville Tennessee TV Inc.; Le Conte Broadcasting Company Inc.

CONSTRUCTION PERMIT CANCELLED

ST	CH	CALLS	CITY
OK	30	KICN	Shawnee

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	HAAT	CALLS	CITY
CA	59	1829	3609	KBBL	Big Bear Lake
NY	52	13.2	833	WACA	Ithaca; WACA
NC	38	1062	719	WGTJ	Greenville
PA	35	3247	931	WYBE	Philadelphia
SC	48	5000	1539	WHST	Greenwood (amended)
TN	8	316	1254		Knoxville; Channel 8 Ltd.
TX	22	5000	1873	KUYA	Galveston; KUYA
TX	22	676	328	KLRB	Wolfforth; KLRB
WI	49	2670	469	WJJA	Racine (amended)

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	HAAT	CALLS	CITY
CO	20	3148	1256	KTVB	Denver
FL	45	5000	453	WLCB-TV	Leesburg
FL	51	593	472	WJOE	Marianna
FL	25	5000	1486	WPBF	Tequesta
NV	33	1294	1158	KFBT	Las Vegas
TX	2	100	1509	KDTN	Denton
TX	55	1344	466	KLDT	Lake Dallas
WI	58	2800	535	WDJT-TV	Milwaukee

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	HAAT	CALLS	CITY
FL	51	5010	860	WSCV	Fort Lauderdale (cp)
FL	28	1936	749	WPGX	Panama City (mp)
GA	29	5000	1088	WDCO-TV	Cochran (cp amended)
GA	14	5000	1240	WABW-TV	Pelham (mp)
HI	5	95.5	2064	KFVE	Honolulu (cp)
MD	25	1358	1230	WHAG-TV	Hagerstown (cp)
OH	17	5000	957	WDLI	Canton (cp)
TN	30	5000	1002	WMKW-TV	Memphis (cp)
TX	8	316	1680	WFAA-TV	Dallas (cp)

CHANGES GRANTED STATIONS ON THE AIR

- AK Fairbanks; KTVF, ch. 11; granted CP to raise ERP from 27.5 kw to 50 kw max; lower antenna height about 15' to -49' AAT (below average terrain)/151' AG/587' ASL; same TL. I really don't expect anybody to be DXing this station.
- FL Jacksonville; WNFT, ch. 47; granted CP to raise ERP from 2286 kw max to 5000 kw max; 981' AAT/974' AG/1001' ASL; same TL. Don't expect any improvement; remember it's already 2286 kw, and the antenna height isn't changing that much.
- FL Panama City; WPGX, ch. 28; granted MP to raise antenna about 257' higher to 749' AAT/726' AG/probably about 820' ASL (gross mistake in the data; this is my own estimation); same ERP and TL. Station went on the air in May, 1988, but this change is too large to be a technical correction. They probably found out they needed a higher tower after they went on the air.
- FL St. Petersburg; WTOG, ch. 44; granted license to cover CP for changes: ERP raised from 1950 kw max/1410 kw hor to 5000 kw max; same TL; 1555' AAT/1545' AG/1620' ASL (another case of bad arithmetic or bad engineering. That's 80' higher AG, but only 21' higher ASL. The higher power should spell better tropo for DXers near the gulf coast, and possibly also along the lower Atlantic coast.)
- IL Marion; WTCT, ch. 27; granted license for minor changes; ERP raised from 2570 kw max to 2917 kw max; 764' AAT/466' AG/1306' ASL (formerly 772' AAT; other data not available); same TL.
- IN Elkhart; WSJV, ch. 28; granted CP to raise ERP from 3020 kw max to 5000 kw max; 1099' AAT/1017' AG/1886' ASL (14' higher); same TL. Fairly decent increase in ERP, but it's not that weak to start out with.
- MD Hagerstown; WHAG-TV, ch. 25; granted CP to raise ERP from 676 kw max/436 kw hor to 1358 kw max; 1230' AAT/427' AG/1864' ASL (about a 30' reduction); same TL. Don't get your hopes up too much for this one.
- MA Norwell; WHRC, ch. 46; granted CP to raise antenna to 942' AAT/955' AG/1024' ASL (509' higher ASL); TL south of West St. at the intersection with Spring St., Bridgewater Township; coordinates 42°01'06"/70°58'36"; ERP remains the same at 5000 kw max. Increase in antenna height should make a small increase

in coverage area, but don't expect a big change in DX.

- NE Bassett; KMNE-TV, ch. 7; granted license to cover CP for changes; antenna height reduced 50' to 1487' AAT/1474' AG/4000' ASL; same ERP and TL; BT HOR. Don't expect any change; the antenna is still pretty high.
- PA Allentown; WFNZ-TV, ch. 69; granted CP to raise ERP from 219 kw to 2147.8 kw max; 1080' AAT/646' AG/1578' ASL (152' higher); same TL; DA BT HOR. This station seldom gets far beyond eastern Pennsylvania, but with this increased power and antenna height, and the lack of channel 69 stations in the northeastern United States, this station may go far on a good DX night.
- NM Las Cruces; KASK-TV, ch. 48; granted CP to raise ERP from a meager 80 kw to a whopping 5000 kw max; 473' AAT/502' AG/4622' ASL (559' higher ASL); TL 9 miles ENE of Anthony; coordinates 32°02'30"/106°27'41" (Az. 134°, or SE, 26.01 miles from present TL). Big changes in store for this station. Too bad there aren't too many DXers in that area.
- VT Windsor; WVTA, ch. 41; granted CP to raise ERP from 589 or 708 kw (depending on references) to 1053 kw max; 2245' AAT/394' AG/3254' ASL (about 35' lower than present height); same TL on Mount Ascutney in Windsor County. The increased ERP should somewhat improve DX in the northeastern states and Quebec.

CALL LETTER APPLICATIONS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
NC	38	WFXS	Greenville; WGTJ
WV	29	WKRP-TV	Charleston; P.S.A. Inc.

CALL LETTER APPLICATIONS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
KS	6	KBSD-TV	Ensign; KTVG
KS	10	KBSL-TV	Goodland; KLOE-TV
KS	7	KBSH-TV	Hays; KAYS-TV
NC	36	WPJB-TV	Charlotte; WPCQ

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
FL	57	WFRF	Live Oak; Frank A. Baker
FL	25	WPBF	Tequesta; Tequesta Television Inc.
FL	29	WYIN	Ocala; Gospel Horizons Corp.
KS	20	KKFT	Fort Scott; Family Broadcasting Co.

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
AR	38	KASN	Pine Bluff; KJTH-TV

NEW STATIONS ON THE AIR

- CO Denver; KWB1-TV, channel *41z, went on the air 8/20/1988; 735 kw max ERP; 1153' AAT/45' AG/8010' ASL; TL 0.6 mile east of Turkey Creek Canyon Road, near Indian Hills; coordinates 39°35'59"/105°12'35"; DA BT HOR; independent Christian station operating as

noncommercial; address: Colorado Christian College, 16075 W. Belleview Ave., Morrison CO 80465-9698.

FL Daytona Beach; WAYQ, ch. 26z, went on the air 9/15/88; 5000 kw max ERP; 997' AAT/1001' AG/1017' ASL; TL 2.1 miles SSW of Seville; coordinates 29°17'10"/81°29'37"; satellite of independent station WAYK, ch. 56 in Melbourne FL; address: Beach TV Partners, 444 Seabreeze, Suite 940, Daytona Beach FL.

FL Hollywood; WYHS, ch. 69z; went on the air 8/10/1988; 5000 kw max ERP; 866' AAT/869' AG/873' ASL; TL intersection of 210th St. and NW 3rd Avenue; coordinates 25°57'59"/80°12'33"; Home Shopping Network affiliate; address: 700 NW 214th St., Bldg. 2, No. 306, Hollywood FL 33083.

FL Panama City; WFS6, ch. *56z, went on the air 7/22/1988; 1147.5 kw max ERP; 509' AAT/470' AG/531' ASL; TL 6 miles northwest of Panama City, adjacent to Steilfield Road; coordinates 30°21'36"/85°55'31"; PBS affiliate; satellite of WFSU-TV, ch. 11, Tallahassee FL; address: Board of Regents, Florida State University, 2265 Pottsdamer St., Tallahassee FL 32304.

HI Kailua-Kona; KVVH, ch. 6z, went on the air 5/1/1988; 52.5 kw max ERP; 2910' AAT/175' AG/5775' ASL; TL 7.2 miles northeast of Kailua-Kona; coordinates 19°42'56"/155°55'00"; DA BT HOR; independent station, satellite of KMGt, ch. 26, Honolulu HI; address: KVVH-TV, 970 N. Kalaheo Ave., Suite 314, Honolulu HI 96734.

TX Amarillo; KACV-TV, ch. *2z, went on the air 8/29/1988; 100 kw max ERP; 1314.6' AAT/1270' AG/4702' ASL; TL 1.4 miles NNE of the intersection of I-87 and Givens Avenue; coordinates 35°20'33"/101°49'20.5"; educational station; address: Amarillo Junior College District, Box 447, Amarillo TX 79178.

TX Denton; KDTN, ch. *2z, went on the air 9/1/1988; 100 kw max ERP; 1682' AAT/1524' AG/2303' ASL; TL 600' south of Beltline Road, 400' east of its intersection with Mansfield Road in Cedar Hill; coordinates 32°35'20"/96°58'11"; PBS affiliate; address: North Texas Public Broadcasting Inc., 3000 Harry Hines Blvd., Dallas TX 75201.

TX Fort Worth; KFWD, ch. 52z, went on the air 9/1/1988; 2619 kw max ERP; 1076' AAT/1053' AG/1680' ASL; TL near 3900 Barnett St., Fort Worth; coordinates 32°45'01"/97°16'07" (about 12 miles north of all the other Dallas and Fort Worth television stations); independent Spanish station; address: Interspan Communications, 1720 Regal Row, Suite 240, Dallas TX 75235.

U.S.A. FORUM

It seems like whenever I sort out the mail geographically, I always begin in the northeast, then to the south, the midwest, then the west. This time I'll be different and start out west with FRANK ADEN Jr. (Boise ID), who sent in this clipping on LPTV stations in Boise: "K10MY is a fledgling Boise station run by Lo-Powered Community Television of Sioux City, S.D. Called Women's LPTV, the broadcast station officially went on the air during the week of Aug. 22, said LeRoy Phelan, service manager at Gem Communi-

tions, installer of the station. The station is transmitted through a satellite downlink near Wild Waters, said Phelan. The same programming also can be received on ... K43BE. 'We're transmitting Channel 10 at 10 watts. Channel 43 is running at 100 watts; it's still low power,' so only Boise residents and those living in certain areas in Meridian can receive either station, Phelan said." Frank adds, "K10MY xtr is about 2 mi to the south of here and is barely noticeable. K43BE is about 3 mi to the west and a lot stronger. IDAHO STATESMAN also reported KKVI 35 in Twin Falls should be on this month. Will be a slave sat of KPVI until local studios are built."

Two articles from FRED McCORMACK (Fargo ND): The 9/26 *Multichannel News* reports on KTVD, ch. 20 in Denver, which has had a CP for more than five years now. "A new UHF independent station here has landed a major contract with a local sports team, and — in the absence of must-carry — the station hopes the deal will help it change chances of being carried on local cable systems. Channel 20, which still has no call letters (say what? -wbf), is scheduled to go on the air in November." "We expect to get on the cable, particularly because of the [Denver] Nuggets," said Jack Moffitt, general manager of the new station. "We haven't heard from (the station), which I find a little strange," said Dan Smith, vice president of marketing for Mile Hi Cablevision, holder of the franchise serving the city of Denver. "Who's Channel 20?" asked a surprised Jim Carlson at Jones Intercable, which operates systems in several of the city's suburbs. Channel 20, it appears, has approached only one of the three area cable operators ... and apparently is counting on that operator to help secure carriage on the other two."

An article from the 10/3 *Electronic Media* reports on a new way to deal with competition, involving Oklahoma City television stations KGMC ch. 34, KAUT ch. 43, and KOKH-TV, ch. 25: "Television station owner Harry Pappas appears to have found a sure-fire way of turning down the competitive heat scorching many independent TV operations. In a \$30 million deal, Mr. Pappas is proposing to buy KOKH-TV, an independent TV station in Oklahoma City, and purchase the studios and transmission towers of the two other independents in the market, KAUT-TV and KGMC-TV. If all goes as planned, the licenses for KAUT and KGMC would move into new hands, with the former becoming a religious or specialty station and the latter becoming the market's second educational outlet. Then the new licensees would lease the towers and studios from Mr. Pappas." "Assuming the [FCC] approves the deal, Mr. Pappas would wind up with the only commercial independent TV station left in town." "I'm not convinced it's illegal at this point," said Alex Felker, chief of the FCC's Mass Media Bureau. "We're looking into it." The way the deal is set up, the new licensees of KGMC-TV would be Oklahoma Educational TV, which already holds the license for KETA-TV, Oklahoma City's current PBS affiliate. "KAUT-TV would be acquired by Tri-Alpha a Fresno, Calif.-based investment company. If Tri-Alpha tried to change the station back into a commercial independent, it would have to start paying 'marketplace rates' for its tower

and studio, said Mr. Pappas." "If Tri-Alpha becomes disenchanted, it can always bail out of its lease at renewal time and build its own tower," Mr. Pappas said. "As a practical matter, they could decide not to renew their lease and go somewhere else," he said."

Now we head into Minnesota, starting with **RONALD PURDUE** (Byron MN), who writes, "KITN-TV channel 29 in Minneapolis has applied to the FCC for a new xlator on Channel 27 in Rochester, MN. KITN consider themselves as 'Minnesota's Super Station.'" A lot of stations are misusing that slogan. It only shows how dishonest their advertising methods are.

"An article appeared last summer in the Minneapolis Sunday Tribune on KVBN-45. It is apparent they are having problems finding an antenna site. They have been refused permission to go on the Shoreview, MN antennas. They will be the first full power Christian TV station and supposed to be on the air by July, 1989 and that's when their CP expires." If they can show a hardship in obtaining a tower site and show that they have recently found a likely site, the FCC could very well give them an extension.

"By the way, has anybody applied for channel 38 in Walker, MN? I have seen in the VUD the FCC has assigned that channel to Walker. Has the CP been cancelled for WYEO-40 in Superior, WI? I now believe that Duluth-Superior will probably never get an independent TV station on the air. And I believe that WVCK-43 in Tomah, WI will never go on. Could I be correct on all of this? There are no applications that I know of for Walker; the permit for WYEO-40 was cancelled by the FCC somewhere around March, 1987. As for Tomah, only time will tell.

Also in Minnesota is **BRUCE ELVING** (Esso MN) who sent an article from a UPI release dated around 8/8. It reports that Nepal (No, I'm not telling you. Look it up yourself!) will soon have television. A low-powered transmitter tower will be built in downtown Katmandu, and will have a 15-mile radius coverage area. Color televisions run for \$1500, and the average annual income is only \$135. Eventually 13 other districts will have transmitters (I guess as soon as somebody in those villages can afford a set). The government of Nepal will probably buy programming from elsewhere, since it doesn't have the money or manpower to produce its own programs.

Quoting from The Broadcast Newsletter, a publication of the Society of Broadcast Engineers in Milwaukee WI and dated September, 1988, reports on WJLT-TV, ch. 58 in Milwaukee, presently under construction. "Channel 58's plans for a 1100-foot transmission tower have been set back for the third time, as the Town of Grafton Plan Commission voted unanimously in early July to deny permission for the tower in that community. A town resident had requested permission for the tower to be erected on property at 946 Lakefield Road. This denial marks the third time that Weigel Broadcasting of Chicago has been refused permission to build a tall tower in the greater Milwaukee area. Earlier tower proposals in Glendale and Germantown were also denied by local officials. The Town of Grafton residents opposed the tower because some claimed that it would ruin the rural landscape

and decrease property values. Other arguments held earlier included complaints of potential ice damage from guys, as well as the possible effects of the non-ionizing radiation upon the local human and animal population. WJLT will now apparently re-use the old Channel 18 tower and transmitter site atop the downtown Marc Plaza Hotel." I guess the hotel must have restrictions against guys who like to damage ice.

In Indiana, we come across **WENDELL FORD** (Westville IN), who sent in several articles. Some of them deal with troubles at new educational station WYIN, ch. 56 in Gary IN (although the articles consistently refer to it as a Merrillville station. The 8/25 Gary IN Post Tribune went off the air around 8 p.m. on Wednesday 8/24, in the midst of its "pledge week recruitment drive" (read: begation). The station resumed transmitting at 3 p.m. on 8/26 at 60% power (8/26 Post Tribune and Valparaiso Vidette-Messenger). The 8/30 Post Tribune reported that the problem was caused by a burned out signal splitter on the tower about 995' above the ground. If it was found that another problem caused the splitter to burn out, the antenna would have to be taken down and rebuilt.

Another article, from the 11/1 Post Tribune reports that Roscor Corp., which sold equipment to WYIN, is suing the station for breach of contract, after WYIN failed to pay the balance due, around \$347,000, on the equipment. The article reports that WYIN suffered a net loss of \$131,312 for the quarter ending 9/30.

I guess WYIN didn't take seriously Roscor's threat about burnt signal splitters during the fund raiser.

From the 10/27 Chicago Sun Times: "Chicago police are investigating mysterious vandalism this week at WMAQ-Channel 5 that sent two technical directors and two audio engineers to the hospital. At about 9:20 p.m. Monday, an unidentified liquid was poured on a rubber mat between the control room and studio used for the 10 p.m. newscast. The substance reportedly emitted 'a strong, unpleasant odor' causing headaches, dizziness, nausea and 'a stinging sensation in the eyes.'" Sounds to me like somebody spilled a can of Pepsi.

On a more serious note, did you hear the government's plan to transmit TV Marti with news and entertainment programs to Cuba from a blimp over the Florida Keys? I can see it now: the entire island gets the DX itch and joins WTFDA, and we have to start a Spanish edition of the VUD. Meanwhile DXers along the entire east coast are sending reception reports, and Cuba initiates Lincoln TV. Anyway, the 6/17 Vidette-Messenger reports, "The National Association of Broadcasters charges that TV Marti advocates are trying to squelch their concerns that the proposed government TV version of Radio Marti could interfere with U.S. broadcasts. NAB officials said they were denied copies of engineering studies on the proposed TV Marti before the Senate Appropriations Committee voted Thursday on a spending bill that earmarks \$7.5 million for the service in the 1989-90 budget of the U.S. Information Agency."

Now that we somehow wound up in Florida, let's look up **JOHN COMBS** (Jacksonville FL). He says

that WPBF, channel 25 in Tequesta FL, still under construction, will be an ABC affiliate. From the 10/24 *Palm Beach Post*: ABC's surprise decision Tuesday to make the still-unbuilt WPBF-Channel 25 its new Palm Beach County-Treasure Coast affiliate appears to have been based mostly on money. But the question of whose money - and how much - depends on whom you ask. Executives at the two stations that lost out to Channel 25 - which won't begin broadcasting until Jan. 2, 1989 - now say the new station simply may have bought itself the lucrative ABC contract. Channel 25 executives counter that ABC's decision was based on shortcomings at the two other stations that vied for the ABC affiliation - Fort Pierce's WTVX - Channel 34, whose affiliation with CBS expires Jan. 2, and Riviera Beach's independent WFLX - Channel 29. "In traditional affiliation agreements, networks pay affiliates millions of dollars - known as 'affiliate compensation' - for carrying the network's programs. In many instances, the network also pays the affiliate for equipment and promotion."

John reports that WNET, ch. 47 in Jacksonville FL, began operation at 5 million watts with a new transmitter on 10/26. "Images all over the place and I'll never null it to log a 46 or 48 again! Get me some more info on this, John. I don't have any record of WTVX being granted, or even requesting, a permit to increase to 5 million watts."

And then there's this small article that somehow wiggled its way into the envelope John sent me. It's about Macon GA station WMGT, ch. 41. "A WMGT-TV technician has been fired following the airing of a 10-second sex scene during Saturday's broadcast of the World Series. Station manager L.A. Sturdivant said Monday that the incident still was under investigation, though he believes it was an accident. Nevertheless, he said, the technician responsible for that night's broadcast was dismissed for violation of company work rules - either by watching a video at work or by flipping a wrong switch. The technician was not identified." John adds, "Enclosed article reminds me of the time that WEVU-26 Naples accidentally ran a porno flick for over a hour before anyone called to complain! Either they had a very small audience or viewers found it more interesting than their usual fare." I've heard of a few other occasional instances like this also. I'm waiting for it to happen on one of these religious stations.

LARRY FUSS (Opelika AL) sent in a copy of an article from the 10/3 *Electronic Media* reporting that WSVN, ch. 7 in Miami FL is getting ready to become an independent station. "While beefing up its stock of syndicated fare and local news, WSVN is talking to Fox Broadcasting Co. about affiliating with that network for prime-time programming on weekends, said Robert Leider, WSVN's vice president and general manager." Evidently the station is going to put a high emphasis on news. "We see ourselves as the CNN of South Florida," Mr. Leider said. The 10/17 *Electronic Media* confirms that WSVN will definitely become a Fox affiliate.

More on that WMGT incident in the 10/18 *Macon Telegraph and News* "The objectionable material, aired in black and white during the second inning

of NBC's color broadcast of the Los Angeles Dodgers-Oakland Athletic's game, showed a naked man and woman having sex." Officials at Channel 41 are unsure of how the interruption happened and are investigating three theories, including the possibility that a video tape was brought into the studio and was being watched by the technician. Another possibility is that the broadcast was interrupted by a deliberate sabotage from an outside prankster, Sturdivant said. However, the probability of that happening is remote, he said, because of the technical expertise such a prank would require. The most reasonable explanation is that the wrong switch on a master control panel was flipped Saturday night. In doing so, the baseball broadcast was switched to a C-band satellite signal carrying X-rated material."

Now we sail up the Atlantic Coast with **BOB SEAMAN** (Hazleton PA), who will probably stop mailing me articles after that, but I couldn't resist. From an undated article, "WOLF-TV Channel 38 has signed on its sister television station, WWLF-TV Channel 56, as a full-power signal, said Guy Turner, WOLF chief executive officer and acting general manager." (I wonder if he likes to damage ice.) "Channel 56 re-transmits the same signal that Channel 38 broadcasts, including all of WOLF-TV's regular programs. The new 1-million watt Channel 56 will bring WOLF-TV over the air to communities south and west of Luzerne County, plus the southern portion of Luzerne County. The former Channel 56 signal was located at a low location in Hazleton transmitting a low power, 10,000 watts. The new 1-million watt Channel 56 tower is now at a much higher elevation on Nescopeck Mountain, northwest of Hazleton. WOLF-TV's Channel 38 signal is on West Mountain in Scranton. To date, that signal has mainly served Lackawanna and Luzerne counties and adjacent northern and eastern counties. However, the tower's location has prevented the signal from crossing over some of the high mountains in lower Luzerne County. The new Channel 56 signal will fill in that gap. Among the communities directly benefiting from the new power increase are Hazleton, Berwick, Bloomsburg, Sunbury, Williamsport, Lewisburg, suburban Pottsville and smaller towns surrounding those communities."

Here we are in New York State, with an article about a new LPTV on channel 58 in Buffalo NY. This article was sent in by both Buffalo **BILL THOMPSON** (Buffalo NY) and **GREG CONIGLIO** (Williamsville NY). From the 9/15 *Buffalo News*: "Ralph Nader plans to start his latest consumer-advocacy effort here Oct. 30, when Buffalo's newest television station, Channel 58, will begin its 15-hour-a-day programming schedule. Nader, who is titular president of the new, low-powered community television station, said the station plans to offer: * Children's programs 'that treat kids as intelligent beings, not simply targets of cartooning.' * Gavel - to - gavel coverage of Buffalo's Common Council. * Business programming, such as the National Chamber of Commerce's show, 'It's Your Business.' Anyone with a television set that receives the 80 UHF channels simply can dial Channel 58, said station general manager John Wichman." At least count, I thought there

were only about 55 UHF channels. Where did the others come from? "Initially, we see our coverage in a 10-mile circle of the city, probably — because of terrain — reaching Hamburg, Orchard Park and West Seneca a bit better than the northern suburbs."

"Buffalo will have a second low-powered station, Channel 67, which has been awarded to a minority businesswoman from Denver, and a third, Channel 39, which will be awarded in a [FCC] lottery...."

A few additional comments from Greg: "The Channel 58 referred to is W58AV Buffalo. W58AV has been stuck on a slide reading 'Citizens Television System' since a thunderstorm went through the area during the summer. The article does not mention a channel 36 given to North Tonawanda, NY, which is a northern suburb of Buffalo."

Here's some information from DAVE SINCLAIR (Vancouver B.C., Canada) which maybe I should have put at the beginning of this heading, since it involves television stations in Washington state. "I refer to your column in September's VUD, page 7, below my name. KORO Channel 24 Anacortes, Washington, was indeed on the air—from a few minutes before midnight Dec. 31/86 until ordered off the air by the FCC in June, 1987. They came on air first about two minutes before midnight Dec. 31/86 to satisfy an FCC requirement. They showed old wrestling tapes and travelogues infrequently until May when they were on weeknights from about 6 pm to 10 pm showing programs like *Cosmen's Secrets of Success* and the like. I could not get an address or telephone number for them. I hope somebody gets it going again!

"KSTW Channel 11, Seattle-Tacoma was off air for four days over Labor Day weekend. Their power splitter at the top of the tower with dissimilar metals failed and this burned up power of the transmission line. Their transmitter was seven years old and apparently the manufacturer is scrambling to repair other antennae sites with this configuration." (I wonder if KSTW purchased its equipment from Roscor Corp.)

And from *KCTS Magazine*, dated Sept. 1988, published by KCTS-TV, ch. 9 in Seattle: "September 10th is...a red-letter date for KCTS/9 viewers, as Channel 9 becomes the 86th public television station equipped to broadcast in stereo. The newly installed KCTS/9 transmission system will be activated on that Saturday, providing increased power and stereophonic capability."

FORUM CANADA

More research from WALTER PATTON (Millowdale, Ont.). As has been my policy, I am omitting all stations below 100 watts.

DECISIONS: NEW TRANSMITTERS:

PQ Rivière du Loup: ch. 29; 18.1 kw; to repeat CFJP(35) Montreal; Television Quatre Saisons.

DECISIONS: CHANGES

NF Deer Lake/Passadena: CJLW-TV, ch. 8; raise ERP from 0.087 kw to 0.480 kw.

NF Deer Lake: CBYAT, ch. 12; raise ERP from 0.051 kw to 1.03 kw.

NB St. John: proposed ch. 23 changed to ch. 12; change 134 kw ERP to 18.3 kw.

NS Halifax: C1HF-TV, ch. 20; change to ch. 8; change 128.2 kw ERP to 10.8 kw.

PQ Quebec: CFAP, ch. 2 to begin local programming.

PQ Rimouski: CJPC-TV, ch. 18; raise ERP from 0.0887 kw to 0.458 kw.

PQ Sherbrooke: CFKS, ch. 30, to begin local programming.

PQ Trois Rivières: CFKM, ch. 16, to begin local programming.

SK Regina: CFRE, ch. 11; reduce ERP from 159 kw to 146 kw. (as-built)

SK Saskatoon: CFSK, ch. 4; reduce ERP from 57 kw to 54 kw. (as-built)

APPLICATIONS: NEW TRANSMITTERS

SK Golden Prairie: ch. 10; 106 kw; to repeat programming of CKCK, ch. 2, Regina via signal from CKMC, ch. 12, Swift Current; CTV network.

APPLICATIONS: CHANGES

SK Stranraer: CFQC-TV-1, ch. 3; raise ERP from 6.8 kw to 100 kw.

On the changes granted to ch. 23 in St. John and 20 in Halifax, Walter adds: "Owner of new NB and NS stations says that moving from UHF to VHF will save \$600,000 in installation and \$60,000 per year in operating costs."

J.J. Rosenberg (Thornhill, Ont.) sent me this letter a few months ago, prior to the sign-on of the CBLT repeaters in southern Ontario. It gives their ERP and HAAT, along with CBLFT, ch. 56 in London. (Call letters supplied by Andy Reid):

CITY	CH	ERP(kw)	HAAT(ft)	CALLSIGN
Kitchener	56	1041	853	CBLN-TV-1
London	40	1000	860.6	
London	56	72	993	
Chatham	64	11.5	626	CBLN-TV-3
Sarnia	34	10	321.5	CBLN-TV-2
Wingham	45	828	742	CBLN-TV-4
Warton	20	710	774 DA	CBLN-TV-5

On another subject, J.J. writes, "I'm sorry that I have not had a chance to respond in detail to Ben Wilkie's comments in April's 'Forum Canada'. Briefly, in the early 70's the Government of Canada formulated a policy that every population centre of 500 or over must have access to signals of CBC English & French of TV and AM networks. Thus, the country-wide proliferation. Remember that despite the popularity of CATV, rural or remote areas are NOT wired."

"TVOntario & Global have simply followed the above broadcast policy. Back in 1973 or so when TVOntario first applied to expand, Mark Lewis & I filed an intervention to the CRTC opposing the 'waste' of channels & outlined an alternative using only 2 high powered transmitters. Despite support by our member of parliament, it went through. At least we attempted to input towards our future DX possibilities!

"Therefore, it seems all networks place transmitters at 50-60 mile intervals. Compare to USA networks, e.g. Alabama & Mississippi ETV, etc." Also, information concerning call letter prefixes in Canada: "By international convention, Canada was assigned: CF... to CK... & all of 'V'. CG was traded informally with Chile to get 'CB' for use by the CBC."

ANDY REID (Peterborough, Ont.) writes, "Globale ch. 27 is now on. The power is 2.535 mw peak

visual according to the engineer. Unbelievably it is bothering my reception very little! How's this for speed: construction on the tower started on Sept. 7 and was completed on the 12th - three working days later; on Sept. 20 they were on the air with a test pattern - six working days later; in two days they were on the air in stereo and except for some down times since they have not looked back. Official sign on in Peterborough was held on Oct. 5. Channel 22 in Uxbridge has been running a notice across the screen telling viewers to tune to channels 7 Midland, 27 Cobourg (the license and site say Peterborough) and 41 Toronto. They say the stn. will sign off at the end of Nov."

"A new TVO relay signed on from MacArthur Mills on Sept. 30 on channel 42 - that is all I know. In regard to the CBLN ch. confusion according to the Canada Gazette, Chatham was supposed to be on 64 and Sarnia on 34 and it would appear that they are.

A few more articles left over from **DAVE SINCLAIR** (Vancouver, B.C.) The 7/88 *Broadcaster* reports on television interference. Trillium Cable, which picks up WKBW-7 over the air, is now having problems with the new 171 kw Global transmitter in Midland, 130 km away. Lindsey Cable TV, 95 km from the Midland site, is having it even worse. "On certain days we lose channel 7 from Buffalo completely." "In addition to this problem, both Lindsey Cable and Maclean Hunter Cable TV in Peterborough have been grappling with adjacent channel interference on UHF. TVOntario's new channel 18 tower, covering the Peterborough region, is slopping over the distant Channel 17 PBS affiliate WNED-Buffalo; again, a signal that local cable operators have been using off-air for years. And there's another threat on the horizon. Global's new Peterborough transmitter has been allocated on channel 27. ...It may interfere with the weak but currently useable U.S. independent WUTV-Buffalo, an optional channel offered on many local converter services. Meanwhile, in London, Ontario, Maclean Hunter and Rogers Cable are concerned about the upcoming CBC channel 53 transmitter due to sign on when CFPL - 10 London disaffiliates from the Corporation. ...This signal will likely interfere with WQLM Erie, the channel 54-PBS outlet that both systems use off-air for their subscribers." When questioned on its granting of these stations that interfere with cable reception of United States signals, the Department of Communications replied, "Well, we're not here to look after American interests." "We consider that broadcast signals end at the border, as do the Americans." "When those signals cross the border, they legally cease to exist. This means that the CRTC can legitimately allocate channel 7 to Global and cause interference to WKBW-7 in Canada, as long as that new transmitter doesn't affect reception of the ABC affiliate in its American viewing area."

Two articles on Canadian content in programming. From the 6/27 *Financial Post* (or is that a section of the *Toronto Sun*?) comes this editorial: "Try to reconcile these two statements: 1. Canadians want to see more Canadian programming. 2. We must force broadcasters to show it to them. That is the confused import of

Communications Minister Flora MacDonald's long-delayed broadcasting act. That these two holy creeds of electronic nationalism could still be sung together shows how little have the political and cultural establishments understood changes in communications technology and their impact on the choices available to Canadians. The bill commits the government to many fine and worthy things, among them improved service in remote communities, a radio-reading service for the blind, and a new channel to show folk dancing and National Film Board documentaries, for which the public has long asked." The editorial continues to explain that instead of setting quotas, the CRTC could do better to provide incentive for Canadian programming by setting up a pay-per-view system, which the CRTC refuses to allow.

The 8/20 *Vancouver Sun* adds, "The government's proposed carrot-and-stick incentive plan to boost Canadian programs shown by private broadcasters is not needed because they are fulfilling their Canadian content requirements, the CTV and Global television networks said this week. 'We have a track record of success,' Global president David Mintz told MPs studying the government's broadcast bill."

BILL THOMPSON (Buffalo NY, U.S.A.) sent in an article from p.32 of the 8/20 *TV Guide* (Canadian publication), which describes CBC in New Brunswick. "New Brunswick Premier Frank McKenna followed established custom after he assumed office last fall in issuing a blistering indictment of the CBC for not having an owned and operated English-language television station in New Brunswick - the only province or territory lacking its 'own' CBC television station. CBC officials are at pains to point out that there is in fact a television production centre at the CBC location in Fredericton. The station that is not a station (it has no transmitter, channel allocation or call sign) feeds a nightly news package to a network of stations, operating at CHSJ-TV, that are owned by the Irving family. CHSJ-TV, based in Saint John, does broadcast many CBC programs over its province-wide network, though not all the national lineup is seen. But for New Brunswick viewers, the time slot chosen by CHSJ-TV is not always what's most convenient. Many think the Irving station runs CBC programming at low audience times to save the lucrative times for its own more commercially salable programs."

ZIGGY





FM NEWS

Bruce F. Elving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

Readers' Reports—A VUD Exclusive!

Larry Weil sent updated information on a NH trip, including the discovery that WMIH 107.1 Gorham NH is off the air, and yes, that station had deleted. I am not sure it ever operated. He sent a copy of a rather indignant letter to Ham Radio Outlet, Anaheim CA, and to Kenwood complaining about the Kenwood RZ-1 car receiver, which covers from 500 kHz to 905 mHz. "It was so bad that I sent it back." Reception was so bad on that set that most Boston stations at 30 miles away could not be heard. "I have used other mobile receivers in these areas without experiencing these severe reception problems. The local distance switch is only of limited use in handling these problems. . . . While this letter is somewhat scolding to you, I hope that you will consider it as constructive criticism. Should you come out with a future model of receiver that is similar to the RZ-1, but with some of the problems eliminated, I would certainly consider purchasing such an item at that time."

In a recent VUD was complaint about lack of TV-FM DX activity in Europe, following demise of a club. I just got a copy of a publication of Finland, "FM-TV Busbody," published by Timo Leponiemi, Box 95, Hyrää FINLAND. It is in English, Finnish, and Swedish, and covers DX. Includes plugs for my FM Atlas and the WTFDA, a few logos, a summary of DX events for TV channel E3, and a bandscan of Hamburg FM. Timo writes: "I am a 27-year-old Finnish FM DXer. I have started FM DXing in 1981. I have heard FM stations from 35 countries (F. E. X., Saudi-Arabia 90.0 mHz, the distance is over 4000 km!). I have published the first edition of European FM handbook with more than 14,000 FM stations listed. The 2nd edition will come in April/May 1989, probably with about 20,000 stations in Europe, North Africa and Near East. I also publish a FM-TV magazine called 'FM-TV Busbody'. It comes out 14 times a year. If you have a sample of your FM-TV magazine it would be nice to receive it. It would be also nice to know the most interesting FM catches in your country (the records of sporadic-E, tropo, etc.)."

Andy Reid sent a copy of the Ontario DX Association database, plus some other station information. It will be called "Radio Ontario," and "will be unique as the FM/AM section is combined—since everyone has FM/AM radios (FM takes precedence). . . . I do not nor do I plan Radio Ontario to compete with your book. I will be asking the same of Bill Fabher. I hope I will hear from you on this matter as soon as possible."

"As others have probably already informed you by now the CRTC's displeasure with CKFM 99.9 Toronto's playing more than 50% hit material resulted in a mere hand-slap: they were required to forego advertising for three days of their choice. They chose ratings week and used the lack of commercials as a station promotion," writes Walter Patton. He sent lots of CRTC information, but said the agency may have slipped in not releasing anything on the new CFBG 100.9 Bracebridge ON. Besides the new grants he sent along, he said there were "many applications and grants for very low power point of sale advertising stations," such as used in Manitoba (and probably other provinces) for selling real estate. An application for Thunder Bay ON 88.3, 24000 h.v by the CBC would replace CBQ AM, six months after the new FM comes on the air. This might be a bitter pill to swallow for CBQ and for Thunder Bay residents, because I think FM penetration is very low there. In the Orillia, area CBQO would vanish from 105.9 and re-emerge as a much lower powered 1100-wattage with transmitter in Hillsdale ON. Deleted in the process would be CBCM 107.5 Penetanguishene, causing Walter to say, "surely a joke with a kilowatt." PQ Ferment CFMF 103.1 seeks to add 78 hours/week from CITE 107.3 Montreal and reduce broadcast time of CHRC AM Quebec and reduce local programming. CIBL 104.5 Montreal seeks 104.7 and an improvement to 320 watts with transmitter from West Tower Olympic Village to Olympic Stadium West. CIBM 107.1 Riviere du Loup seeks to delete carriage of CITE 107.3 Montreal, and increase local from 50 to 111 hours/week, plus add 15 hours/week from CFIX 96.9 Chicoutimi.

Saul Chernos has just moved to CBQO 105.9 land (Orillia), "where I'm a reporter for daily Packet & Times newspaper. I'm an hour from my 'old' Burnt River DX site and cottage, so on the odd occasion I'll pop on down for DX if it's happening. Rock 95 signed on this morning (95.7 CFJB Barrie, 50000 h.v; Stereo),

though were testing for several weeks. It indeed fills a gap—the first rock station in area. What we really need, though, is a noncommercial and non-government (i.e., non-CBC) station in area." Included was an article on how Rock-95 intends to serve Orillia, with transmitter closer to that town than to Barrie. There will be a small studio in Orillia, too. Recording library is almost entirely compact discs. On a not-so-favourable light, Rock 95 is interfering with the reception of several Price's Corners residents. Its double-harmonic is affecting TV channel 9, a problem made worse by folks using antenna pre-amplifiers for their VHF's. One resident of the area complained about a herring-bone configuration and occasional Rock 95 audio replacing CFTO on channel 9. The DOC is not concerned, saying CFTO is a fringe-area signal secondary in importance to Rock 95, considered a local signal. "What gets me is that Rock 95 is not even a TV station," resident Jim Quigley says. "A Canadian station is being blocked out and they don't care." Viewers can call the DOC collect at (416) 973-6363 to report any continuing problems. Station's signal is said to be "clean," but the DOC is working to advise people who may need FM traps in their TV antennae. Maybe Bob Seybold could go there and solve the problem with those antennae!

Jim Renfrew, Rochester NY, sent several updates of stations not on the air, such as WSCS '89.5 Sodus, WPZX 96.7 Oswego, WCSQ '89.3 Central Square NY and WBRV-FM 101.5 Boonville (moving to 101.3). He thinks WSCS and WCSQ may operate, but he was not able to tune in during the high school hours those stations may operate. If anybody else can report on WSCS and WCSQ and tell me when they operate, what their current music formats are and if they may have stereo, I'd like to hear from you.

WRVN '91.9 Utica is now on, parallel to WRVO 89.9 Oswego. I assume it is stereo, but if it is NOT stereo, let me know. "The following seem to be off the air during summer months: 90.1 WRGU Hamilton NY, 89.5 WPNR Utica NY, 88.7 WHCL Clinton NY, 90.5 WBXL Baldwinsville NY."

If I have space I will report to Rochester NY FM dial history that was run in last month's FMedia! I welcome others to submit dial histories. Cleveland, Syracuse, Pittsburgh, Philadelphia, Buffalo, Atlanta, Memphis, Kansas City, are just a few of the markets I have not had histories from.

WBQJ 98.3 Block Island RI is on the air, reports Joe Fela, as is WQMR 99.3 Mechanicsville MD. I'd like to know if either or both of those stations has or have stereophony. WBOQ (x-WVCA) Gloucester MA 104.9 now in \$, and c, 24 hours a day/seven days a week. Joe wonders how long the classical will last. He's heard the pirate Radio New York International on 1620, but not on FM. The latest I heard is that the ship was boarded and again forced to go off the air. Some of the news Joe gets is from pirate WJPL 91.9. "No, I haven't heard more on the proposed WKXW 101.5 (Trenton) move. However, the rumor involving WPRB 103.3's [Pricenton NJ-b.e.] move seems to have been almost totally off-base. Bob Smolarek and Paul Mount were at the Milwaukee NRC convention and so was NRC'er John Bowker who, I'm told, is chief engineer of WPRB. According to them, John said WPRB is interested in purchasing WKXW's antenna on the WNJT-52 tower and moving there. That could mean a vastly stronger signal of WPRB towards NYC, not weaker as the rumor said. If it happens and WPRB puts out a signal similar to what WKXW currently puts out, WYNY 103.5 will really have coverage problems to the southwest."

Bad news on the ECPA front from Bob Horvitz, executive secretary, Association of North American Radio Clubs. He said the states were to have passed electronic privacy laws "at least as restrictive" as the ECPA by Oct. 21. To my knowledge, only Wisconsin has passed such a law. "When you were on the Ray Briem Show the year before last, you mentioned that you'd seen \$100,000 mentioned by some people as a fine for violating the ECPA, though that didn't jibe with the \$10,000 limit you read in the legislation itself. You attributed the larger figure, which I had been using, to a typographical error. Not so." Fines can be "up to \$100,000, but if a felony is involved, or misdemeanor resulting in death the fine can be up to \$250,000 and organizations up to \$500,000!" I've admired your work from afar for many years, and have become an avid fan of the VUDigest. If we can work together for mutual advantage, then by all means let's! Bob sent along an ANARC club list, and of course the WTFDA is in it, listed as founded in 1967, with subscribing information given.

Scott Forster sent some NY area updates, including news of the WYNY-WQHT frequency shift. "I emphatically do not like the antenna heights listed in meters, and I bet 90% of the readers feel the same way. Perhaps if the U.S. gets serious about going metric I would change my mind, but the country seems to have retreated from going metric." Well, the FCC went metric, and I applaud that agency, which is often criticized for timidity, in taking a rather bold step when other agencies such as the NOAA weather service have failed to do so, even though all their weather-reporting instruments are metric.

Sending some info on New England FM is Mike Bugaj, who has noticed now that WOCR 98.9 Burlington VT has risen to 94 m, 100000 h.v., he gets them quite well on a car radio out in the Berkshires. "WNBC 660 died at 5:30 p. m. Oct. 7. It was a memorable program from 1-5:30, including a 1 1/2 hour segment they ran on NBC's history (WEAF, etc.) from day one, which was especially good. I wonder if someone taped it. I would like a tape of it." If you have a tape of that program, contact Mike at 69 Sherman Road, Enfield CT 06082.

Larry Fuss says WSFU Union Springs AL "now on 94.1 with a hulluwa signal" (x-100.9, still monophonic). "No WQXI-FM translator in Opelika any more."

Max Engel sent quite story on NY's FM-SCA scene. Besides WNEW-FM listed as a major station not having any SCA, I believe WBLS 107.5 lacks SCA. Please tune in your SCA dial, those of you having adapters, and note which services are on 67 or 92 kHz. I am working on a new SCAAdapter/radios' catalog, and you can get it from me if you write and ask. Max writes: "It has been two years since I met you at the Jamestown WTFDA convention. I read your column each month in the WTFDA. I hope you and your wife are OK (yes, Max, we are fine—b.e.). We are all fine. I am enclosing several newspaper articles which I believe will be of interest to you. There are several articles about the sign-off of WNBC AM. This is the end of an era. According to reports here WEVD FM 97.9 is supposed to go to 1050 AM, the spot held by WFAN. As of today, the 1050 AM frequency is occupied by WUKQ Spanish Broadcasting System. Somehow I hope WEVD will remain on FM."

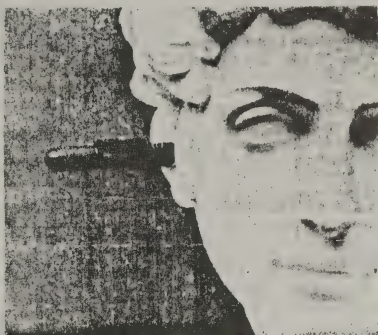
The SCArticle Max sent centered on WBAL *99.5, "a noncommercial station famous for railing against the evils of war and capitalism," but happy to get a check each month for \$16,000 from Telerate, a financial data service owned in part by Dow, Jones & Co. It sends out bond prices and other financial data to 18,000 subscribers over two SCS frequencies of WBAL. Hey, they're paying the station 88.9¢ a month per subscriber—my calculator works, mom! "It certainly is a case of odd financial bedfellows," says WBAL Program Director John Scagliotti. "We don't care what they're putting out on their main channel as long as we can use the sidebands," exclaimed Neil Hirsch, Telerate's president. "We find subcarrier broadcasting very reliable." Also highlighted was KBC's Korean radio, which has a 10-year \$100,000/year lease on either the 67 or 92 kHz SCA of WQXR-FM (please check which). There are an estimated 6,000 KBC receivers in the area, and the number is expected to grow to 20,000 by next summer. Receivers sell for \$150 each and can be bought from area electronics dealers as well as at four branch offices of the Korean Times. It might be interesting to go to those stores and see if they get main channels, and if they can tune in other stations' SCS frequencies.

Jerry Le Bow of Sage Broadcasting in CT has probably leased more SCA frequencies than anybody else. "In major markets, the top lease rate is \$10,000 a month," and that doesn't sound like a lot considering that FM stations bill millions of dollars a year to advertisers, but the money is nothing to scoff at, considering

there's no expense. "Do you know how many spots you'd have to sell to make \$10,000 a month? It's very nice income," he says.

"DX is dead," writes Fred McCormack. "Nothing is happening here except work on my television data base."

Finally, consider using this as a DX instrument. Here we have a plaster bust holding a pen-like object in the ear. It's for real, the



STUFFED EAR

pen-like object, not the plaster head. It's a demonstration of a single-band AM radio in Tokyo made by a Japanese pen maker, selling for \$16. An FM-band one is said to be ready now for \$24. Two for stereo? How about an SCAAdapter dangling from it? Or that combined with a hearing aid? Before you sell off your stereo tuners and pioneer a new FM DX craze, I'll sign off. But first, how about selling the plaster bust along with the little radio, having a speaker in the false head, and more electronics in the hair? Or how about...

Now on to stuff that appeared last month in FMedial newsletter. Feel free to send information like the below as you dial the 88-108 band and make interesting discoveries about the stations in your area, or as you DX. Let me know, too, if you like the comments, etc. at the beginning of my column, or if you'd like the "official" stuff there.

New FM Station, Translator Grants

Selected translators only; for more see FMedial

- AZ Douglas 96.5 3000 h.v.; 9 m
- CA Cherry Valley (near Banning) K217BJ *91.3 (KEFR 89.9 Le Grand)
- CA Costa Mesa KWVE-1 107.9 20 h, booster
- CA San Diego KGMG-FM6 102.1 at 32-45-50; 117-09-18, on the Double Tree Hotel, 901 Camino Del Rio South, which is at 32-43-05; 117-09-22 from KGMG-FM1 102.1 San Diego, which is at 32-43-05; 117-09-22
- CA Twentynine Palms 107.7 3000 h.v.; 100 m
- GA Royston 103.7 3000 h.v.; 100 m
- IN Mitchell 102.5 2000 h.v.; 122 m
- KY Edmonton 99.1 3000 h.v.; 100 m
- MI Muskegon 107.9 3000 h.v.; 100 m
- MI Portage 96.5 3000 h.v.; 98 m
- NM Farmington KPCL 95.7 100000 h.v.; 120 m, g, Voice of Ministries
- NY Wurtsboro (on NY 17, SW Ellenville) 97.3, 660 h.v.; 220 m
- NC Murphy 104.3 1650 h.v.; 130 m
- ND Fargo 107.9 100000 h.v.; 300 m
- OH Loudonville 107.7 3000 h.v.; 100 m
- OH North Baltimore 107.7 3000 h.v.; 100 m
- PA Clarks Summit W206AB *89.1 (WRGN 88.1 Sweet Valley)—DXed by Joe Fela in NJ
- PA Oliphant (Scranton) 95.7 380 h.v.; 281 m
- SC New Ellenton 102.7 3000 h.v.; 100 m
- TX Clifton 104.3 3000 h.v.; 100 m
- VA Christiansburg 100.7 3000 h.v.; 100 m

Mysterious Stations Noted or Granted

- WA Oroville area KXLY-FM and KISC Seattle translators (frequencies not given), possibly from Osyoos BC, or local cable leakage
- BC Trail—several Spokane WA stations heard there via translators (or by cable leakage?)
- PQ Thorford Mines, new FM station grant by the CRTC to one Francois Labbe, for a French language station. Public notice did not mention frequency, height, or power. Also to have a rebroadcaster at Lac Megantic, and assumed to be on an FM frequency



Newsday / Donna Dietrich

KBC broadcaster Jackie Kim and general manager Okyu Kwon.

Call Letters Assigned

AL Dothan *91.3 WV08
 AL Eutaw 104.3 W100
 AL Montgomery 103.3 WSYA-FM (from WSYA)
 CA Carleian Bay 103.7 KODS (KHTZ)
 CA Coashella 93.7 KCHV (back to, from KRCK,
 but still calls self "The Rock," now Stereo)
 CA Fresno 101.9 KQOO-FM (KFRE-FM); Span-
 ish, I, AM is in Clovis CA
 CA San Francisco 99.7 KXXX-FM (KYUU),
 "X-100," AM is in Colby KS
 CA Shingle Springs 102.1 KLII
 CO Colorado Springs *89.7 KTLF
 CO Greeley 96.1 KSQI (KISF)
 FL Clearwater 95.7 WNLW (WLLT)
 FL Fort Myers Villages 106.3 WSUV
 FL Orlando 98.9 WURG
 IL Sun Valley *95.3 KECH--FM" (KWRU)
 ID Metropolis 105.5 WREZ
 IA Ankeny 92.5 KJJY-FM (KJJY)
 KS Colby 97.9 KCLH
 KS Eureka 93.5 KOTE (KNPA)
 KS Leavenworth 98.9 KCWV--FM" (KCWV-
 FM; AM has new calls)
 KY Louisville 99.7 WDJX-FM (WDJX)
 LA New Orleans 95.7 WQXY (WBYU), k,
 "Y-96."
 MI Gladstone 105.5 WCLS (WWTM)
 MN Minneapolis 93.7 KLXX (WAYL-FM), r,
 "Classic 93.7 FM" (quite strict)
 MN Roseau 102.1 KRMB
 MO St. James 95.5 KZYD
 NJ Millville 97.3 WBSS--FM" (WMVB-FM),
 "Boss-97 FM"
 NY Montauk 104.7 WMNK
 NY Schoharie 97.3 WMY
 NY Westfield 107.7 WBWW (WBYY)
 OH Upper Arlington 98.9 WKVE
 OK Ketchum 107.5 KGND
 PA Curwensville 102.9 WWSV
 PA Dallas 93.7 WDLA
 PA Elizabethville 100.5 WLIZ
 PA Reynoldsville 99.5 WDDH
 PA Williamsport 107.9 WGBE
 TN Elizabethton 99.3 WUSJ--FM" (WUSJ-FM,
 AM has new calls) ("Light 100")
 TN Franklin 100.1 WRLT-FM (WWRB-FM), m/
 TN Jefferson City-Knoxville-Morristown 99.3
 WNOX ("no mention of WJFC-FM", now k)
 TN Karns 93.1 WCKS
 TN Knoxville 107.7 WIVK-FM (WIVK)
 TN Loudon 99.1 WL00-FM
 TX Beville 97.9 KHBX
 TX Denton 99.1 KJZY (KWOC), j, "Jazzy," \$
 TX Devine 92.1 KYTX (KTXH)
 TX Lubbock 96.3 KLLF-FM (KLLL)
 TX Winfield 97.7 KYKM (KLSB)
 VT Warren 96.1 WSBH
 VA Appomattox 102.7 WZST
 VA Washington 95.5 WLTK, to 330 h.v.; 305 m
 VA Manassas 106.7 WJFK (WBWM), still rj, with
 mono talk in mornings--Howard Stern, simul-
 cast with WYSP-WXRR. Station correctly
 turns its stereo generator off when carrying
 Stern, then resumes \$ for r, "recurrent top
 40" music mid-days and then goes into its
 former new-age format at 7 p. m. No one MD.
 Stern has vowed to "crush" his former
 employer, WDDC-FM 101.1 "within six
 months." "I don't predict high ratings.
 Reason: poor reception in MD, good signal
 only in VA and DC. DC-101 strong all way to
 Baltimore by contrast." "In the spring ratings
 WBWM scored lower than WHFS, originating
 from 25 miles out of town at Annapolis. This
 station has signal problems to the north of DC
 due to Baltimore's Mix (106.5)...
 Boston (WBCN 104.1) be next [to simulcast
 Stern]?"
 VA Mount Jackson 96.9 WSGI--FM" (WSGI-
 FM; AM has new calls) (KRRK)
 WA Natches (ID with Yakima) 96.9 KYKA/
 WA Walla Walla 93.3 KTEL-FM (KEXI), k,

"K-Tel Country"

WV Bridgeport 104.1 WDCI
 WI New London 93.5 WOZZ (WNBK)
 WI West Bend 92.5 WBWI--FM" (WBKV-FM)
 ON Barrie 95.7 CFJB (calls "never used," only
 "Rock-95"). On air, \$, r, with also a weekly
 jazz program and blues hour, but no classical.
 PQ Baie-Comeau 92.5 CKDO
 PQ Chicoutimi 96.3 CFIX (not CFEE)
 YT Pelly Crossing 105.9 VF2041 (from CFWH-)

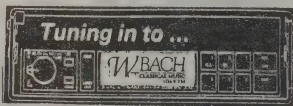
Facilities Changes Granted

AL Union Springs WSFU now on 94.1 (from
 100.9)
 AK Anchorage KGOT 101.3 100000 h.v.; 310 m
 KPXR 102.1 100000 h.v.; 310 m
 KASH 107.5 309 m (100000 h.v.)
 AZ Chandler KMLE 107.9 529 m (100000 h.v.),
 transmitter to 16% km due south of Phoenix
 AZ; format to k[country], "Camel 108"
 AZ Springerville KQAZ 101.7 1 m (3000 h.v.)
 AR Osceola KMPZ 98.1 96000 h.v.; 305 m,
 transmitter Frenchman's Bayou, serving Bly-
 theville, Jonesboro, Wynne, Marion, West
 Helena AR, Memphis, Germantown...
 AR Siloam Springs KMCK 105.7 96000 h.v.; 145
 m, directional antenna (d-a), Transmitter 3.4
 km E. of Benton-Washington County line on
 AR Highway 68, serving Bentonville...
 CA Apple Valley KZXY-FM 102.3 3000 h.v.; 91
 m, adding vertical (h.v. 100 m)
 CA Cambria KOTR 94.9 (from 94.3) 25000/
 CA Chester KCFM 98.9 25000 h.v.; 737 m; calls
 changing to KCMT; watch for format change
 there
 CA Madera KHOT-FM 92.1 25000 h.v.; 95 m
 CO Boulder KHHH 94.7 d-a
 CO Pueblo KKMZ 98.9 70000 h.v.; 701 m, d-a,
 transmitter Cheyenne Mtn., Colorado Springs
 FL Clearwater WTTJ *90.1 77 m (5000 h.v.)
 FL Titusville WSCF 98.3 50000 h.v.; 141 m, C2
 [57000 h.v.; 772 m]
 ID Emmett-Boise KJHY 101.9 (from 101.7)/
 IL DuQuoin WQDN-FM 95.9 100 m (3000 h.v.)
 IL Quincy (new) 103.9 88 m (3000 h.v.)
 IL Virden WRLV 96.7 100 m (3000 h.v.)
 IN Richmond W210AB *89.9 (from W205AA
 89.5) (h.v. 2358 m)
 IA Atlantic-Omaha NE KOMJ 103.7 90000/
 JR Fort Dodge KFDC 92.1 98 m (3000 h.v.)
 KS Pratt KLLS 93.1 307 m (100000 h.v.)
 ME Boothbay Harbor WCME 96.7 15600 h.v.
 ME Brewer WKIT-FM 100.3 16500 h.v.; 265 m,
 transmitter 4 km W. of East Holden ME
 MA Boston WBCN 104.1 22500 h.v. (226 m)
 MI Bad Axe WLEW-FM 92.1 50000 h.v.; 150 m,
 Class C2, to 102.1 (h.v. 169 m)
 MI Midland WKQZ 93.3 (from 93.5) 39200/
 MI Mount Pleasant WCEN-FM 94.5 100000 h.v.;
 299 m, transmitter Coleman, serving Cole-
 man, Houghton Lake, West Branch...
 MI Petoskey WJML-FM 98.9 362 m (100000
 h.v.), transmitter 5.3 km NNE Harbor Springs
 MI Port Huron (new) 102.3 91 m (3000 h.v.)
 MN Duluth KDNW *90.5 460 h.v.; 259 m
 MS Natchez WQNZ 95.1 98000 h.v.; 304 m
 MS Starkville WSMU 106.1 (from 106.3) 40000
 h.v.; 153 m, adding v
 MO Webb City KIXO 93.9 (from 94.3) 47500/
 NY Watertown WCIZ 97.5 100000 h.v.; 301 m
 NC Belhaven WKJA 101.1 (from 92.1) 28000
 h.v.; 193 m
 NC Williamston WHITE 103.7 d-a
 OH Archbold WHFD 95.9 2000 h.v.; 122 m
 OH Altus KRKZ 93.5 45000 h.v.; 161 m, Class C2
 station has signal problems to the north of DC
 OK Alva KXTL 105.7 (from 94.3) 50000 h.v.;
 150 m (from K218AH 91.5)
 OR Gold Beach K220AJ *91.9/ (v, 342 m)
 OR Springfield KSND 93.1 100000h, 43000/
 SC Hilton Head Island WJLY 107.9 (from 105.5)
 50000 h.v.; 148 m, Class C2 (h.v.)
 SC Seneca WBFM 98.1 306 m, no d-a (100000/

TN Tullahoma WKOD 93.3 299 m (100000 h.v.)
 TX Gainesville KZKR 94.5 578 m (100000 h.v.),
 transmitter 4.8 km W. of Collinsville TX,
 serving Dallas, Denton, Bowie... [for more
 cities served see "FMedit"]
 TX Haringen K1WW 96.1 301 m (100000 h.v.)
 TX Port Arthur KYKR 93.3 128 m (100000 h.v.),
 CP for Class C height has lapsed
 TX Victoria KEPE 100.9 2700 h.v.; 95 m
 TX Waco KNFO 95.5 100000 h, 85100 v, 327 m,
 retains d-a (50000 h.v.)
 TX Whitehouse KEYP-FM 107.3 146 m, d-a/
 VA Norton WVNA-FM 106.3 900 h.v.; 180 m
 VA Warrenton WQRA 94.3 2100 h.v.; 121 m
 WA Tacoma KBSS 97.3 d-a [ward Point
 BC Sandspit CJFW-3 92.9 50 h.d-a, transmitter
 ON Mississauga CFMX-1 19100 h.v. (103 m), in
 stereo, transmitter atop an apartment building
 in Mississauga. Studios are in Cobourg,
 with production studios in downtown Toronto.
 "Now that things are corrected, 96.3
 comes in fairly well here, and I heard the
 signal last week, just east of London... the
 CFMX program director would like to see the
 station expand even further--next city to
 cover: Ottawa (CFMX-2?)... Our IDs are
 bad enough now--At 96.3 and 103.1, you're
 listening to CFMX-1/CFMX-FM."
 ON Nipigon-Red Rock 96.1 (from 96.3) CJLB-
 PQ Les Escoumins CHME 95.1 10 h (14 m)
 PQ Sherbrooke CITE-1 102.7 new transmitter
 site, height unknown (93000 h.v.)
 PQ Village-des-Hurons CHW 100.3 moves trans-
 mitter to a new location, unannounced
 height. "Station was reprimanded for broad-
 casting mostly in French, instead of Huron.
 Has now added Montangais language"

Stereo, or to be Stereo

AL Dixon Mills WMBV *91.9, g, "has been on
 the air about a month"
 CA Palm Springs KPSC *88.5 c, "repeats KUSC
 (91.5) Los Angeles," \$ assumed
 CO Aspen KAJX *91.5 cj, "repeats KUWR
 (*91.9 Laramie WY) and KUNC (*91.5
 Greeley CO), \$ assumed
 FL St. Petersburg WFTI *91.7 g, ownership
 transferred to Family Stations, Inc.
 IL Casey (pronounced K-Z, not "K-C") WCBH
 104.3 r ("classic hits"), on 24 hours
 KY Danville WMBF 107.1 k[country]
 KY Eminence WKXF-FM 105.7 r. This station
 "came on air soon while others take their
 time," nonID: "Kix-106" (strict)
 MA Gloucester WBOQ 104.9, "WBACH." "I can
 receive them better than I did when they



were) WVCA. Each time I have tuned them in
 they have been playing good classics. How-
 ever, I cannot get them in stereo. Too far
 down in the noise when I try."
 MO Poplar Bluff KOKS *89.5, g, on air, and
 already asking for donations
 NM Bloomfield KMVO 104.5 b, expected on by
 now. The biggest problem they have had to
 date is "getting electric power in at their
 mountain site"
 NY Rochester WIRQ *93.3 (licensed Rochester,
 not Irondout)
 NC Franklin WFOG *91.3 cj, "repeats WCOS
 Asheville," \$ assumed [with WAIF
 OH Cincinnati WJVS *88.3, shares time/
 OH Fredericktown WJMR 98.3
 OR Coos Bay KSSA *88.5, to be c
 OR Clatsop Falls KSKF *89.9, c
 TX Kermit KERB-FM 106.3

TX midland KCHX 106.7
VT Rutland WRVT *88.7 cj, "repeats WVPS
(107.9) Burlington," \$ assumed

Temporarily Without Stereo

NY Henrietta WITR *89.7 "They've been making apologies over the air"
Mono

MI Grand Rapids WEHB *89.9 "gets stranger by the week. Engineering-wise, they must be in violation of just about every rule in the book. Their audio is fed by voice-grade phone line from the studio to the transmitter (sounding even worse than AMI). This has been the situation at least since August, so it seems not to be 'temporary'. Also, they appear not to have any remote control, as the transmitter is left on all night after sign-off. They have also been off frequency, creating problems for WTHS 89.9 Holland and WBLV 90.3 Twin Lake MI. WEHB is so chronically short of money, I don't know how they stay on the air. Given their present condition, I wonder if they SHOULD stay on the air! Transmitter is circa 1952, I'm told. Yes, they're still mono!"

Format Changes

Formats are the same as in the "FM Atlas"

AL Gadsden WSGN *91.5 rc
CA Irvine KUCI *88.9 rj, monophonic
CA Los Angeles KTWV 94.7, "The Wave," now using live personalities, but "they're going to be discreet, brief and warm." Station also expanding its playlist with 1000 new tracks, with more of a "new wave" flavor
CT Bridgeport WEZN 89.9 mr, "not 'rm'. They're 'mr' at the most. EZL with pop/a-c added."

FL Tallahassee WVFS *89.7 p[rogressive rock]
WTMG 95.9 r, SMN oldies
HI Hilo KKBG 97.9 rm, "K-Big"
KIPA-FM 100.3 mj, "The Wave"
HI Honolulu KQMQ 93.1 rs, "Super Q"
KMAI 93.9 rs, "Hot 1-94"
KPOI 97.5 rp, "K-Poi 98 Rock"
HI Kailua-Honolulu KTRR rm, "Crater 96 FM"
HI Lahaina KLHI 101.1 rm, "AC," still "FM-101" and "Mau's Superstation"
HI Lihue KFMN 96.9 rm, \$, "FM-97"
HI Pukalani-Wailuku KMYI-FM 98.3 rm, "K-98"
HI Wailuku KAOI 95.1 rp

ID Boise KBSU *90.3 cj, late-nite student rock, transmitter now at Deer Point, having moved from 91.3 at Table Rock. Its *89.7 relay in Challis not expected to be on before spring, due to onset of snows in the mountains

IL Freeport WFPS 92.1 r, "Classic Hits 92" (not strict) ID with Fort Wayne
IN Auburn WIFF-FM 105.5 mj, "PMN-Breeze," / IN North Vernon WINN 106.1 r

IN Richmond WVXR *89.3 to be jr, \$
IN Vincennes WZDM 92.1 r, \$, "Yes, on air now DJ said, 'WZDM, Wisdom 92.1' [with] WBST *92.1 Muncie off because of moving to a new building; latter has since returned to the air"

KY Cave City WHHT 106.7 r, ID with Glasgow, "Hottest Hits FM," on 24 hours

KY Erlanger WIZF 100.9 sg, "not just s, Stereo"
KY Highland Heights WNKU *89.7 [ok], \$
KY Smiths Grove WBLG 107.1 r, s. "This station never gives an ID and never a local ad. 'G-107' used constantly. . . Last night was the second night I've heard this one. Never a clue of location or calls. Whatever it is should be outlawed!"

LA Baton Rouge WRKF *89.3 c, dropping most of its jazz. "Moonglow" replaced with classical 10:30 p. m. 'til dawn

WTEG-FM 100.7 rp, hits and AOR mix
WFME 102.5 r, "hits"

LA Houma-New Orleans-Baton Rouge (deleting Thibodaux from its ID list) KHOM-FM 104.1

rm, neither light nor hard"
LA New Orleans WQUE-FM 93.3 rs
WYLD-FM 98.5 sj, "said to be losing ground; less jazz and more black hit oriented"

WRNO-FM 99.5 rp, AOR
ME York Center WQMI-FM 95.3 r (oldies), \$ It aired Danny and the Juniors' *Rock and Roll is Here to Stay* continually from 7 p. m. Friday to noon Saturday (a total of 530 plays). Even the police were called to see if anything was wrong. . .

MD Annapolis WHFS 99.1 still pr, but "becoming much, much more mainstream. . . Sounds to me like the new owners are tired of starving from little revenue derived from progressive rock"

MI Grand Rapids WJFM 93.7 rp
MN Anoka KQOL 107.9 r, oldies, "Cool-108"
MS Holly Springs WURC *88.1 c, also gospel
MS McComb WXL 94.1 rm, "light rock," ID with Baton Rouge LA

MS Tupelo WZLQ 98.5 k, still "Z-99" (strict)
MO Liberty KWCJ *91.9 gr, "contemporary Christian," Stereo

NV Sparks KR01 100.9 rs, "dance-CHR"
NH Manchester WZID 95.7 mr, with many rock vocals and "Lite 95.7" nonID

NM Armijo KMYI 107.1 rm, "adult contemporary"
NY Albany WHRL 103.1 mj, new age

NY Buffalo WGR-FM 96.9 r, "97-90" (strict)
NY Clear Lake WOL 95.7 rm, "lite rock, same as WYXL 97.3 Ithaca"

NY Rome WUUU 102.5 mr, light rock, more "like WSSH 99.5 Lowell MA"

NC Moyock WOFM 92.1 rp
NC Winston-Salem WMQX-FM 93.1 oldies (r)
ND Dickinson KDPR *89.9 cj, \$

OH Athens WOUB-FM *91.3 cj
OH Cambridge WOUC-FM *89.1 cj
OH Chillicothe WVXC *89.3 jr, \$

OH Cincinnati WVXU *91.7 jr, "jazz days, rock oldies at night"
OH Ironton WOUL *89.1 cj. WOUL, WOUC-FM repeat WOUB-FM

OH Milford-Cincinnati WJOJ rm (rock oldies and EZ or lite rock), "Joy-107" (strict)
OH Millersburg WKLM 95.3 r (CHR/hits), \$

"Home Town Radio" (not strict)
OR Ashland KSMF *89.1 jt, also repeating KSOR

KSOR *90.1 c[lassical]
OR Florence KLCX 104.7 r[ock]
PA Benton WBNE 95.9 k[ountry]

PA Carbondale WSGD 94.3 rm, "Solid Gold 94," ID with another city
PA Edinboro WMYJ 97.9 r, "up-tempo contemporary music, Y-98" nonID

PA Harrisburg WHKS 94.9 rm, "Kiss-95," "and with a better signal" [(t)]

PA Lancaster WLCH *91.3 Spanish, I, plus talk/
SC Aiken WKXC 99.5 k, leaving WNCN 98.3

Clearwater SC the only "b" formatted station in the Augusta area
SC Batesburg WKWO 95.3 s, "Hot-95"

TN Harrogate WLFM *91.3 cr
TN Nashville WRVU *91.1 jr, 14500 h, v; 139 m. "Female dj signed the station off [saying] 'keep listening and good night. Sorry that my relief didn't show up, but I gotta go to bed.'"

TX Amarillo KACV *89.9, "FM-90." "One student (female) had a strong Texas drawl, had a hard time reading the PSAs and was so incredibly bad, I will always remember it"

TX Big Spring KWKI-FM 95.3 s, \$
TX Canyon KHVK 107.1 r, CHR
TX Dallas KZPS 92.5 r, drops nightly j

TX Fort Stockton KFST-FM 94.3 k
TX Midland KWMJ 103.3 m, "light a-c. . . I was very 'underwhelmed' by the quality of radio in Odessa-Midland. You would think that a market that size would have at least one good radio station, but I failed to find it. The closest thing to being good was KNFM 92.3

(they have a beautiful building right next to the airport.)"

TX Wheeler KCDPR *90.5 \$, g, "heard commercials for local merchants. If they were acknowledgements for contributions, it was the most blatant bending of the rules I have heard in a while."

VA Marion WVEF-FM 93.9 k, "FM-94" (strict)
VA Petersburg WVST *91.3 rj, "adult contemporary/jazz" (not strict)

VA Richlands WGH 105.5 kg, "Stereo 105"/
WV Bethlehem WHLX 105.5 r, ID with Wheeling
WV Weston WSSN 102.3 r, now Stereo

WI Racine-Kenosha WHKQ 92.1 k, \$, not r, and no more "KQ-92" nonID

NS Kentville CKWM-FM 97.7 to disaffiliat with CBC Stereo network after new CBC Middleton *93.3 goes on the air

ON Toronto CHFI 98.1 r
CKFM 99.9 r. The three-day period without commercials, imposed by the CRTC, helped them, as they promoted the commercial-free period during a ratings time

FRANCE, Frequenze Seine, \$, p, English, frequency not given. "We're very interested in your magazine, and need records from the U.S. Send labels" to Patrick Soubielle, 59 rue Edmond Meyer 76500 Le Havre FRANCE.

NonIDs, Not Just Slogans

GA Warner Robins WPPR 101.7 Class-102, prompting speculation they may soon be changing call letters again

HI Hilo KWXX 94.7 rs
HI Honolulu KTUH *90.3 UH-90
KHNN 98.5 The Wave

HI Lihue KONG-FM 93.5 Kong-FM
HI Waipahu-Honolulu KXPW 92.3 92-X
ID Nampa KLCI 96.9 K-87 Rock

IN Crawfordville WIMC 103.9 I-104 (strict)
IN Spencer WSKT 92.7 KT-93 (strict), ID with Ellettsville and Bloomington, still k, \$

MD Ocean City WQHQ 104.7 Q-105 (not "Q-104")

MO Carrollton KMZU 101.1 Mazoo-101
MO West Plains KSPQ 93.9 94-FM, The Super Q
NY Clifton Park WVKZ-FM 96.7 KZ-96.7

OH Medina WQMX 94.9 95-Mix. "The decline of the beautiful music format continues. Some day it could be available only on SCA in many U. S. market areas. . . Moving studios to Akron and transmitter to TV-49 tower in Copley. . . WDBN had the longest lasting format in northeastern Ohio since 1961."

PA Central City WYSN 101.7 Sunny 102
PA Muncy WHTO-FM 103.9 WHOT, except for "WHTO Hugsville temperature. . . WHTO-FM Muncy temperature. . . near the top of the hour; simulcasts with 1190 AM. "Wonder how 101.1 in Youngstown likes this?"

PA Nanticoke WEAY 92.1 Easy 92 FM
TN Monterey WRJT 107.1 (to go to 106.9)

Hit 107
VT Burlington WQCR 98.9 Rock-99, coming in much better on car radios in the Barkshires, now that it has increased to 100000 h, v; 94 m

WA Bellingham KISM 92.9 Kiss-FM
WA Bellevue KLSY 92.5 Classy 92.5 FM
WA Bremerton-Seattle KNUA 106.9 Sound

FM-106.9, dropping Bellevue as part of its ID
WA Seattle KXXR 96.5 The X 96 Dot 5
WA Spokane KZZU-FM 92.9 93-Zoo FM

Multi-City IDs in Use

See this feature in FMedia!

On Air (Selected)

AK Anchorage KLEF 98.1 c, on air 19 hours daily with "Nonstop classical music. . . Not revealed if Stereo or not

MI Portage-Kalamazoo WRKR 107.7 rp, Stereo—"same format as WJFM 93.7. . ."
NY Webster WFRW *88.1, g, \$, Family Stations

PA Philadelphia WPB 88.1, with "a weak signal less than three miles away—I think the antenna [is] in the basement. . . . You have to be west of the Schuylkill River to hear them." Not known if stereo and what its current music format may be

ON Toronto CHRY 105.5, doing its first annual fund drive on-air, hoping to raise \$21,000 of its \$140,000 annual budget—a hefty sum for a 50-watt station!

AM Happenings Most Likely Caused by FM (selected, see more in FMedia!)

CA Los Angeles KPCC AM gets new look with solid MOR programming: artists like Jack Jones, Steve Lawrence, Eydie Gorme, Johnny Mathis. KPCC hoping for a 2 rating, but in its heyday it used to get 17 ratings in Pulse and Hooper surveys.

DC Washington WGMS AM may be a victim of the Classical Acquisition Partnership getting WGMS-FM-AM. The 50-acre AM site on a hilltop in a residential section of Potomac MD is worth over \$13 million, just for the value of \$400,000 to \$700,000 houses or townhouses that could be built there, two to an acre. For only a .3 rating, it is probably not worth it for WGMS AM to continue broadcasting, and finding another site. Changing the station's program format would be a gamble, which might at best yield ratings in the 1.0 range.

LA New Orleans WMBB AM goes all talk, and re-connecting its AP news machine, with the replacement show for "Nut and Jeff" lasting only two weeks. "I don't see how WMBB will make it with its syndicated talk."

WTIX AM also going all talk, featuring one of the few father-son teams in radio, Mike and Bob Del Giorno on the morning show. "Dad" Bob owns KDLX 106.5 New Roads LA.

ME (southern). "I wish you could hear how badly Boston AM comes in here. . . . Even WRKO with 50 kw is only tolerable because I want to follow the Red Sox. Now, you ask, how about FM? I can receive 67 FM stations, most without noise, and not one of them carries sports. Those FM stations on the Sox network are out of my receiving area. There are about 15 local FM stations in the southern Maine area and they are all playing ROCK. Isn't there a manager of any FM station in this area that will take a chance on something else than this horrible music?"

MD Morningside WPGC AM carrying all-business news, a come-down for this once ratings-dominant top 40 station. Most stations adopting the business format are "struggling AM stations attempting to establish a niche to compete with FM." This ends simulcasting with 95.5 FM.

MI Muskegon. In the spring ARBs, only one AM station got higher than a 2 share, WKBB 850, which also has a "decent night signal. But three years ago they were getting 13 shares; now they're down to a 6. . . ."

MN Virginia WHLB 1400, now simulcasts WCDK 99.9 FM, except for Saturday mornings. "The AM was not carrying its own weight, and we let 10 people go, saving us a lot"

NY Albany WROW 590 AM now simulcasting WROW-FM's b format (95.5). FM has just recently gone 24 hours. Decline in AM audience seen as main reason for the switch

NY New York WNBC 680 AM leaves the air, in a count-down heard nationwide on the networks. This ended 66 years broadcasting at this former NBC flagship. WUKO Spanish temporarily heard at 1050 AM, also retaining 620 AM, with WFAN AM moving from 1050 to 660. "I feel, particularly with WSKQ involved, that games could be played with this situation. It would seem to me that a better solution would be for WSKQ to retain the licenses for both the 620 and 1050 facilities until one could be disposed of—but for one of the frequencies to go dark until new owners assumed control." WUKQ is running

Spanish programming, "apparently without commercials. The best guess in these parts is that this is some sort of interim deal until the switch with WEVD-97.9 is finalized." The WQHT (now 97.1) and WYNY (now 103.5) switch took place at 5:30 p. m. 9-22, "during the first day of the ratings period. . . . Nothing further on any format changes resulting from the sale of WRKS (98.7) to Summit, nor WOR (AM)'s license appeal." OR Portland KKUL 1410 went off the air Oct. 16. Was an all-jazz station, "staffed largely by jazz buffs who worked for nothing or next to it out of a love for the music," but ratings were nil and advertising difficult to get. Expected to return to the air with a satellite news service. At the current rate of decline, sometime during the 2000 fall Arbitron, no one will be listening to AM radio. That's just 12½ years away," writes Ron Frizzell, WKZS 99.9 Auburn ME, in the Oct. 1 "Radio World." "AM radio now is like the Titanic in 1912, 45 minutes after it struck the iceberg. After the mighty ship sank, 1500 people drowned while 600 empty seats on lifeboats were being rowed away. People stayed on board because they couldn't believe the mighty ship would sink. We, like the people on the Titanic, statistically know that [AM] is going down, but are finding it too hard to believe."

"I'm amused that, whenever instances of successful AM stations are cited, they almost invariably are Clear Channel 50 kilowatts. Most stations licensed now, even in the Third World, are at least 10 kw. They know something our FCC seems not to know. Who knows? Perhaps a second golden era for the great clear channels is not far off. But, on the whole, I think that optimism for the future of AM is unjustified. There will always be some AM stations, but the loss in the interim will be great."

"Just received FMedia! today; read it through again. I note yet another commercial classical station. . . . Still, their future is anything but sure—look at the plight of KLZC Freedom CA. And how can KXAA Rock Island WA make it in the middle of nowhere?"

"I am sending my subscription renewal for the next two years. I can't live without my FMedia! each month!" "After consideration, I have decided not to renew my subscription to FMedia! This does not include your Atlas. . . . I have heard a lot about your newsletter that serves as a supplement to the FM Atlas. If there is any money left after paying the rent and the bills, I might send some to you, but don't count on it!" "Thanks again for your 'rag'. We have found it to be very helpful in several cases." "I certainly enjoy reading the newsletter each month." "Enjoyed your book review in the Oct. 1 'Radio World'."

See Also Nov. VUD For

IN Indianapolis WLTC 105.7 probable rs format, Ross, p. 19 [Stereo, Nieman, p. 17]
KY Hazard WSGS 101.1 k, apparently embracing/
MI Gaylord WKPK 106.7 "The Peak" nonD, Coniglio, p. 20

NE Norfolk KEXL 106.7 r, Buntin, p. 16
OH Dayton WNSN 107.7 "NSN" nonD, Fela, p. 18; sr format (probably), "EZ listening music," Ross, p. 19
OH Defiance WDFM 98.1 r format, Ross, p. 20
TX San Antonio KSTX *89.1, on air in Stereo, Dyer, p. 25, but I'd like to know about its format—jazz and talk? [p. 19]
VA Warrenton WMJR 107.7 r [lock], Smolarek, / WV Huntington WKEE-FM 100.5 nonD believed to be "Hit 100-KFM" now, not "Key-FM," Smolarek, p. 19
WI Ladysmith WWIB 103.7 would have been the religious station Greg Coniglio heard to the west (bottom of p. 20)

SC Services, 67 and 92 kHz

Selected only—for more see FMedia!

AR Barling KPHN 94.5 still with 92 kHz Radar, /

"but we have no evidence of users in this area. We have heard nothing about where else it is used, except Texas, and it might be discontinued. The receiving equipment is very expensive, and we are considering background music, at least for our 67 kHz"

CA Buena Park KBPK *90.1 tM[usic], 67 kHz, "swing era pop music"

CA Long Beach KLON *88.1 tU, 67 kHz, tone, replacing talk

IL Rock Island WVIK *90.1 starting tT, reading for the blind, 67 kHz assumed

NJ Newark WBG0 *88.3 tE, 92 kHz, Greek Radio Network of America (in addition to Italian Communications Network, 67 kHz)

NJ Paterson WPAT-FM 93.1 tX, X both 67 and 92 kHz, Telrat and Lotus data

NY New York WXRK 92.3 tE, 67 kHz assumed, Sino Radio [stream data]

WNYC-FM *93.9 tX, 67 assumed, Main-/ WJPR 95.5 tX, 67 assumed, Indices digital data

WXQR-FM 96.3 tE, 67 assumed, Korean Broadcasting Corp. [America Data]

WRKS 98.7 tX, 67 assumed, Telnet/ [services]

WLTV 106.7 tX, 67 assumed, Lotus financial/ Only WNEW-FM 102.7 among major NY stations has yet to embrace an ACA. WNEW-FM is squeamish because of fears of compromising the main channel signal quality

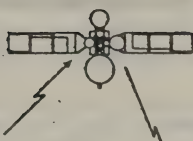
Satellite or Microwave Translator Abuse Applications Filed by Non-commercial Licensees
Including applications concealing their true city of service (selected)

AL Mobile ("Chunchula," transmitter Satsuma AL) *90.7 KEAR 106.9 San Francisco CA
AR Bauxite (Benton-Little Rock) *89.7 KEAR FL Daytona Beach ("Alamana") *90.1 WJFR 88.7 Jacksonville
FL Orlando ("Chulwota") *91.9 WJFR
IA Cedar Rapids ("Lisbon") *88.9 KEAR 106.9 San Francisco CA [91.3 Des Moines
IA Iowa City ("Conesville") *88.9 KDFF/
MI Detroit ("Arner," transmitter 9 miles NNE Detroit airport at 42-27-49; 82-52-40), WOTL 90.3 Toledo OH
NE Grand Island *91.7 KEAR
NE Lincoln ("Ceresco") *91.9 KEAR
WA Aberdeen ("Heather") *88.9 KEAR 106.9 San Francisco CA. "Heather. . . . We called KEAR for more info. They asked us to call Mr. Ron Marland at 408-353-2158. He is their translator person. He knew very little. Didn't seem they had done much research or engineering. Perhaps the most perplexing question is why Family Stations would want to come to this area when it already is being served by other religious stations. . . . When this question was put to Mr. Marland, he indicated that he didn't even know these other stations existed. He ended up by indicating that every religious station always has a slightly different twist and they planned on going ahead with their application."

FM Rulemakings Proposed (selected)
Stations affected, if any, are listed before the dates for comments and replies at the FCC
AL Dora, 98.7A, R. M. Howes, Nov. 17, Dec. 2
AL Georgiana 100.3A, AL Bcstg. Service, counterproposal
AL Moulton 103.1A, M. Bcstg. Co., transmitter to be 5.1 km NE to avoid short-spacing to WMBC 103.1A Columbus MS, Nov. 17, Dec. 2
[Nov. 21, Dec. 6]
AK Sitka 103.1C2, AK Bcst. Communications, / AR Wilson 103.7A, Clarence Medlin, site to be 7.6 km SW to negate short-spacing to WAAW 103.7C1 Murray KY and WWKZ 103.5C New Albany MS, Nov. 21, Dec. 6

That's all the space for items from FMedia! this month. To subscribe . . . send \$18 for a year's worth of issues to me at address shown at the beginning of this column. 73, Bwca

SATELLITE NEWS



GEORGE W. JENSEN
4604 Anntana Avenue
Baltimore, MD 21206-4220

A number of additions and corrections to be made this time around.

The VC2 Pay-Per-View service on Satcom 4 XPDR 7 is the Cable=vision System's Pay-Per-View Service. It is not available to Dish owners.

Zap Movies Pay-Per-View on Spacenet 2 - XPDR 23 is back to the VC2 format.

NBC has fully encrypted their C feed on Satcom 4 - xpdr 8

SBS 5 is now fully operational on K-band - it was is considerable use on Election Night with numerous feeds. G-Star 3 is an apparent failure and may have to be retrieved in a future mission - it did not deploy in the proper position. I believe this is located at 122 or 124 W.

KTVT - Dallas moving from Satcom 4 XPDR 3 to Spacenet 3 - XPDR 5

WPIX - New York is moving from Satcom 4 - XPDR 19 to Spacenet 3 = XPDR 9

KTLA - Los Angeles is moving from Satcom 4 to Spacenet 3 - XPDR 15.

They are there at this very minute.

Speaking of Election Night - many K-band satellites not usually seen with much video were loaded with news feeds that night - The new SBS 5 and the new Spacenet 3 - even noted feeds on ASC 1 at 128 West. (K-Band that is)

Aurora - Satcom 5 - will be replaced by Aurora 2 in 1991 at 143 West.

Satcom C-3 will be launched in 1992 to replace Satcom 3 at 130 West

Satcom C-4 will be launched in late 1992 to replace F4 at 82 West.

Satcom C-1 will be launched in 1993 to replace F1 at 139 West.

The C-4 bird may be placed in another orbit instead of 82 West - but somewhere between 85 and 101 West.

Satcom K-1 would also be moved to somewhere between 75 and 89 West from its current 85 West.

The C satellites will be 16 watts, but C-5 will be 10 watts per XPDR.

WOLD feeds are being noted every where of late including Satcom 1 and Satcom 2

Sports Channel - New York is now fully encrypted with VC 2

Stardust Pay-Per-View is now generally found on Galaxy 2 XPDR 9 using VC 2.

Feeds of an unknown nature have been noted on XPDR V24 on Intelsat VA-F10 at 24 West - also using NTSC system on 24V on Intelsat V F4 at 34.5 West. Signals from Gorizont 15 at 14 West remain extremely variable. but have noted some SECAM color.

Finally the menu for Intelsat VA F11 at 27 West ----

1H - TVE - Madrid - carries a lot of TVE programming - PAL and NTSC color

9H - Brightstar - London - Newsfeeds - PAL and NTSC

10H - Venezuela Ch 5 - Caracas - "SuperCanal" - full time feed - NTSC

11H - NBC - London to New York - NTSC

14H - ABC - London to New York with Capitol Radio FM - London subcarried this is a 24 hour feed in NTSC

16H - CBS London to New York - NTSC with BBC Radio World Service and others subcarried.

9V - Televen - Canal 10 - Caracas? - certainly Venezuela as per National

Anthem wich is played several times per day as on radio - NTSC color

20 V - Television Nacional - Santiago, Chile - NTSC color

That's all for this month - see you in 30 and '73's.



NOT SOLD IN STORES
HOTELS,
OFFICE BLDGS, AND
INDUSTRIAL
BUILDINGS WANTED
ALL ORDERS PROCESSED
PROMPTLY
Signature guaranteed within 60 days

THE ADVENTURE CONTINUES

EASTERN TV-DX

HOW IN
STEREO

JOHN F. CUMES (NABED)

1200 WILLOW BRANCH #24, JACKSONVILLE FL 32205

DEADLINE: 1ST

REPORTS FROM TV-DXers IN AL, CT, DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, WV, Quebec, Ontario, the Maritimes, & the Caribbean

DECEMBER 1988

DECEMBER 1988

Not many reports this month. Most of the better stuff in them is from the September openings that were prominent in the last column. October did produce some good tropo in the South. We start this column with two reports from the beautiful U.P. of Michigan..

Jerry Beaudin, POB 146, Curtis MI 49820

SEPTEMBER 1988

21 Tr 2100 WWSN-47 WI 285
2130 KDUW-40 (WI) 350
2200 WRGT-45 OH 454
2210 CBEFT-54? ON T
(FF audio o/WTLJ)
2230 CBLFT17-68 ON 283

SEPTEMBER 1988

21 Tr 2245 WFWA-39 ? IN T
2300 WETO-39 TN 720
2315 CKCO3-42 ON 298
22 Tr 0000 WKGB-53 ? KY T
0001 WGVK-52 MI 269
0005 WCET-48 OH 493



New Reporter

OCTOBER 1988

14 Tr 2100 unID-73 weak
2200 unID-68 TBN

EQUIPMENT: Quasar II with modified UHF tuner, 7' CM dish and Winegard preamp at 42' AG.

This is my first report. I'm 36 and self-employed. I probably won't report unless I see something out of the ordinary. Lake tropo are quite common here and 250-350 miles are quite common during the summer. Is WFWA-39 on the air? (Yes--jfc) It's the only PBS I could find listed in that direction, and I didn't get an ID. WKGB-53 also had no ID but is the only PBS-53 I know of in that direction. The two 10/14 loggings I listed were on a night when both Milwaukee and Green Bay were strong. Does anyone know of a ch. 73 translator in northern WI or upper MI? It was too weak to ID; just barely there. (I know of no such animal, and xtrs above 69 are rare now. Any help, fellow DXers??--jfc) Is ch. 68 in Green Bay on the air? It was TBN and didn't ID; much weaker than channel 65 in Milwaukee. (I don't know, Jerry, but if you're willing to spend a couple of dollars, call their HQ in California; I think their phone # is in Orange CA. I called them in regard to my logging an unID-67 which turned out to be W67BJ Savannah. They were friendly and very helpful. I'm working on getting a complete list of their LPTVs for TV-CCI AIDS. Welcome to the column. If 250-350 mile reception is common, given your location and equipment, then only report the more distant stuff; the "200-mile rule" is merely a minimum guideline. I wish 250-350 miles was "common" for me, hi--jfc)

Mark James, 419 W. Michigan, Marquette MI 49855-3334

OCTOBER 1988

8 Tr 1815 CBLK-16 ON 180
(Both xmters located in Nipigon...both 2.3 kw ERP--jfc)

OCTOBER 1988

8 Tr 1820 CBLFT19-26 ON 180

EQUIPMENT: Archer U-120,
2 10db preamps

Nothing too impressive. Seems to me when conditions are good I can only pick up low-powered Canadians. CBLFT23-16 (Wawa, 5.3 kw ERP--jfc) comes in regularly, almost local quality, at 170 miles. VHF is depressing: can only receive one channel very well, plus two others with heavy snow. I can't understand why I can't pick up a very high-powered UHF a little farther away, when I can get a 5.3 kw almost all of the time. (Neither can I, Mark. Maybe something weird about the terrain or something. Try getting the U-120 up a bit higher, if possible. I can't really comment on your VHF situation as I don't know what type of antenna is involved. Actually, those loggings are rather good, since many translators put out more than 2.3 kw ERP!--jfc)

Joel Rosenberg, 10 Vanhorn Court, Thornhill ON L3T 5R1

AUGUST 1988

23 CW 0845 CBLN-40 ON
29 Tr 2245 CBLN1-56 ON
31 Tr 0725 CBLN4-45 ON 85
SEPTEMBER 1988
1 Tr 0745 WBGU-27 OH 290
0745 WETE-30 OH 250
0745 Detroit U's weak
11 Tr 1000 WETE-30 OH 250
2200 WBGU-27 OH 290
2200 CBLN2-34 ON 150
2230 WXMI-17 MI 315
+ numerous unIDs

SEPTEMBER 1988

11 Tr 2250 WPGH-53 PA 230
2330 WQEX-16 PA 230
12 Tr 0038 CBLN5-20 ON 110
0039 CBCE-16 ON 125
0104 CIII4-4 ? ON T
0755 WMGC-34 NY 210
0755 WVIA-44 PA 250
16 Tr 2300 WICZ-40 NY 210
18 Tr 0930 Detroit U's
20 CW 2200 CIII27-27 ON 60
21 Tr 2205 WNDU-16 IN 375
2205 WIHT-31 MI 225

SEPTEMBER 1988

21 Tr 2205 WCFC-38 IL 430
2205 WXIN-59 ? IN T
2258 WRGT-45 OH 370
0650 WXIN-59 IN 440
22 Tr 0700 WRGT-45 OH 370
0730 WNEO-45 OH 220
2330 WNPE-16 PA 250
2330 Binghamton U's
26 Tr 2300 WLTH-15 PA 280
2300 WNUV-54 MD 340
2300 WMPB-67 MD 340
2330 WITF-33 PA 290
2336 WPMT-43 PA 300
(Prev. by LS??--jfc)

CBLN-40 always in, mod. fade at worst. CBILN1-56 wk, rarely seen. CBLN4-45 at worst f/bar & fade, but better than 56. Global eng. amazed that CIII27 comes in so well here--says I must be within their Grade "C" signal area...along with 5 or 6 others, hi!!
END OF AN ERA: On October 18, my tower and antennas came down, much to the delight of my wife. We are moving three miles north. Timing of a new DX set-up will depend on measurement of lot lines, weather, yelling and screaming, etc. Best of DX, Joel.
(And the best of luck in your new digs, Joel! Hope the new set-up can go up without too much yelling and screaming, hi--jfc)

WE'RE COMING
ON STRONG!



EASTERN TV-DX
 Dave Nieman, POB 155, Clarence NY 14031-0155 (DX QTH: lat. 42-58-30, long. 78-31-30)
 SEPTEMBER 1988
 26 Tr 1030 WKAR-23 MI 309 27 Tr 0129 WTVQ-36 KY 467 27 Tr 0229 WLEX-18 KY 467
 27 Tr 0029 WUCX-35 MI 234 0200 WETO-39 TN 514
 OCTOBER 1988
 23 MS 0825 CBWFT-3 MB 1000

EQUIPMENT: RCA 19" B&W w/Teknika 6510 tuner, CM 3617B at 16'
 AG (806' ASL), CM 7' dish w/B-T CMA-Ub preamp on crank-up tower at 40' AG (830' ASL),
 RG-11 coax used on both antennas.

Not much to report this time around. Been kind of wet and cold this October; not good for tropes. Started using a 19" RCA (model AER 191 W) with my Teknika tuner since this TV works better on VHF and I'm using the RF output on channel 3 to feed it. The results have been much better tropes scatter and adjacent channel performance. Locally, CIII22 Uxbridge is still on the air, and is now expected to shut down at the end of November.

Morris Sorenson, General Delivery, Port Carling ON POB 1JO
 SEPTEMBER 1988
 22 Tr 2332 WTVH-5 NY 230 With the onslaught of cooler weather, TV-DX has pretty well died up here. Some evenings, I still get stuff in the 100-180 mile range (Toronto, Buffalo) but only one new catch has been seen since my last report. Of course, much of my September viewing time was spent following the Olympics, and the "Agony and Ecstasy" of the Ben Johnson saga! (Sad tale, that--jfc) I'm living in an unheated cabin on the Indian River at the edge of town. I hope to find something better soon as we've had snow flurries a couple of times already! (Maybe there'll be some hot tropes to warm you up, Morris--jfc)

Matt Sittel, PO Box 21441, Room 509G, South Hall, NCSU, Raleigh, NC 27607 (919) 737-5477

Equipment: Archer 4-bay bowtie UHF antenna, Archer rabbit ears, Sanyo 13" color TV.
 The UHF antenna sits with one end up against the TV and the other on the window sill and the other sits between the back of the refrigerator and the coils on it.

This is sort of a different format than I am used to using for my DX reports. But with this method I can count when stations are frequently seen yet not have to write them out (and have our fearless editor type them) many times! This is a more compact form of what might be as long as some of those E-skip reports! So let me explain...

Below are the number of different times I have seen stations on 25 different times (plus one other where I just noted one new station being in) from August 25th to October 21st. Those days include: 8/25, 26, 27. 9/1(2), 6, 8, 11(2), 12, 13(2), 16, 21, 23. 10/10, 11(2), 12, 13, 14, 19, 20(2), 21. Those days in which 2 reports were made were most often consisting of one around 7AM and the other around 10PM. With my current schedule, it seems those are the only rather consistent times I can check DX conditions. Overall, perhaps 60% were seen between 6:55 and 7:40AM, when I am up before classes and check conditions on weekdays.

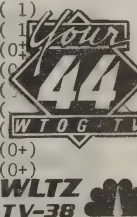
format: calls-channel state mileage (# of times seen) tentative loggings denoted by a +

IN NEAR 100% *local	WKFT-40 NC*	22	WUNJ-39 NC	112 (5)	WYAH-27 VA	144 (1)	
WFFM-2 NC	67 (E)	WGGT-48 NC	67	WJZY-46 NC	142 (5)	WVEC-13 VA	144 (1)
WUNC-4 NC	31 (X)	WBTV-13 SC	99 (20)	WOLO-25 SC	173 (3)	WCIV-4 SC	200 (1)
WRAL-5 NC*	7 (A)	WPDE-15 SC	100 (18)	WAGT-26(SC)	239 (3)	WSOC-9 NC	120 (1)
WITN-7 NC	75 (C)	WCTI-12 NC	85 (15)	WITV-7 SC	200 (2)	WCBD-2 SC	199 (1)
WGHP-8 NC	67 (T)	WNRN-45 NC	106 (15)	WXEX-8 VA	138 (21)	WTOG-44 FL	582 (1)
WNCT-9 NC	75 (LY)	WFCT-62 NC	61 (14)	WIS-10 SC	161 (2)	WCVE-23 FL	138 (1)
WTVB-11 NC*	7 (25)	WJKA-26 NC	112 (13)	WAVY-10 VA	142 (2)	WEBB-14 SC	233 (1)
WRDQ-16 NC	46 (IF)	WJPM-33 SC	116 (13)	WCCB-18 NC	120 (2)	WCCT-57 SC	169 (0+)
WYED-17 NC*	12 (ON)	WWAY-3 NC	112 (10)	WLTX-19 SC	162 (2+)	WLTZ-38 GA	420 (1)
WUNM-19 NC	85 (24)	WHMC-23 SC	123 (8)	WNEH-38 SC	118 (2)	WBHS-50 FL	581 (1)
WLFL-22 NC*	9 (H)	WTAT-24 SC	200 (8)	WTVI-42 NC	215 (2)	WTSG-31 GA	424 (1)
WUNK-25 NC	60 (R)	WRLE-35 SC	169 (7)	WCES-20 GA	266 (2)	WDCA-20 DC	241 (1)
WPTF-28 NC*	8 (S)	WEFC-38 VA	139 (7)	WPCQ-36 NC	118 (1)	WGSE-43 SC	129 (0+)
WUNP-36 NC	61 (.)	WECH-6 NC	79 (5)	WRJA-27 SC	155 (1)	UNID-47 ??	--- (0+)
DX STATIONS =====>	WRLH-35 VA	135 (5)	WNCS-30 SC	145 (1)	UNID-49 ??	---	(0+)

My total TV DX log here currently stands at 54. There have been a few good openings so far. The best by far was September 13th, when at 0730 I saw WTOG. They had a promo for "Your 44" and had their calls on the screen! I also had a 50 HSN at the same time which I believe was WBHS and is tentatively listed as such. Unfortunately I had chemistry at 0750, so I had to leave unfortunately, but I was happy! I also saw some good tropes on 8/26-27, which was quite a welcoming gift upon my arrival in Raleigh. I was able to get WCIV, WCBD, WVEC, WYAH, and WSOC then, which have not been seen since. The strength of a good tropes opening can be judged just by how far down the list the stations I am receiving are located! Along with the excitement of college comes this new and exciting DX location! I have not DX'ed a lot of FM while here, as seeing tropes has got me hooked on almost all TV like I was before I found FM E-skip in 1985. I find just seeing WBTV to be exciting! It looks like I am going to be almost all TV-DX oriented here in Raleigh! (Of course I am still DXing NWS-more than in Kingsport, in fact) Best DX to all and I hope everyone has a joyous and safe holiday season! 73's Matt.

(That 50 is definitely Tampa, Matt. Nice going! Interesting report, kind of an extended bandscan. In the future, keep tropes loggings limited to 200+ miles unless new or xitr. And remember this in your new life at college: don't let trivial things like classes, study, & tests get in the way of the important things in life...like women and DX, hi!-jfc)

WTSG-TV 44



EASTERN TV-DX

John F. Combs (N4SFS), 1308 Willow Branch #24, Jacksonville FL 32205

DECEMBER 1988

(904) 389-2451

OCTOBER 1988

12 Tr 0900 SC 19,23,25,27,38
0900 W67BJ GA 120
0906 GA 24,38,41
0906 WATL-36 GA 286
0917 WXTX-54 GA 239
0919 WMPV-21 AL 348
0919 WFGX-35 FL 291
Fort Walton Beach
0920 WGIQ-43 AL 241
0922 WPGX-28 ? FL T
0931 WSRF-23 FL 329
0932 WPMI-15 AL 354
16 Tr 0035 W69AY FL 58
0035 W69AX ? FL T
18 Tr 0554 WAXA-40 ? SC T
0554 WNEH-38 SC 282
1900 WJKA-26 NC 334
2020 WHMC-23 SC 293
2020 WUNJ-39 NC 334
2020 WGSE-43 SC 295
19 Tr 2305 Macon U's GA 201

OCTOBER 1988

23 Tr 2324 WGIQ-43 AL 241
2355 Columbia 19,25
24 Tr 0000+ SC 23,35,38
0128 W17AB ? FL T
0129 WMPV-21 AL 348
0132 WPMI-15 AL 354
0134 WJHG-7 FL 221
0135 WLTZ-38 GA 239
0136 WTVM-9 GA 228
0142 WRBL-3 GA 228
0146 WMBB-13 ? FL T
0149 WPGX-28 ? FL T
0150 WAKA-8 AL 325
0151 WCOV-20 AL 304
0202 WKAB-32 AL 304
0203 WTVY-4 (FL) 243
(local off)
0203 WKRQ-5 AL 365
(see note #1)
2235 W67BJ GA 120
25 Tr 2205 WTVX-34 FL 233

OCTOBER 1988

25 Tr 2205 WPB 29,42 272
2235 Miami 33,39,45
2235 WFTX-36 FL 242
2235 WYHS-69 FL
2343 WJKA-26 ? NC T
26 Tr 0039 Columbia 19,25
0436 t/in: (note #2)
0436 WPDE-15 SC 312
0436 WLTZ-19 SC 267
0436 W19AQ FL 270
West Palm Beach (LPTV)
0436 WBBH-20 FL 240
0438 W24AA FL 240
Ft. Myers (WCLF-22)
(see note #3)
0441 WBFS-33 FL 312
0443 WINK-11 FL 241
0456 WYED-17 NC 411
0522 WFTV-26 FL 267
0543 WJKA-26 NC 334
(see note #4)
0543+ SC 23,25,43
0547 WFTX-36 FL 242
0600 WXLN-42 FL 272
0624 WLTZ-38 GA 239
0624 Macon U's GA 201
0630 WUNJ-39 NC 334
0630-1100 Zzzzzzzzzzz...
1100 check b4 leave
for work: Miami/
WPB U's still in!
28 Tr 2120 WTVX-34 FL 233

EQUIPMENT: Archer V-110, RS UHF 4-bay at about 30' AG on roof of building, turned by RS rotor. Winegard AC-4990 for UHF, channel 4 trap, Sears SR1000 B&W TV.

Note #1: I could have sworn I'd seen this one before from Jax, but it wasn't in my master log.

Note #2: A fortuitous leg cramp woke me up and, having nothing better to do at 4:30 in the morning, proceeded to check the dials. I need more leg cramps, hi.

Note #3: This was a total surprise as I didn't know W24AA existed! I assumed it was the closer W24AT Sarasota, but then Carlton Howington informed me that W24AT is an LPTV, and that it is W24AA that repeats WCLF-22 full-time.

Note #4: Once again, I'm in the middle of a 600-mile Naples-to-Wilmington path. Why can't I be on the end of 600-mile tropo mpore often?

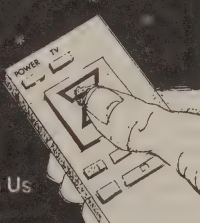
Really nice to get W24AA and W19AQ! They are the most distant LPTV/xltrs I've seen at any DX QTH. The new V-110 shows good promise so far. There is some interaction between it and the 4-bay (they are very close together on the mast), but nothing I can't live with. I'm just grateful to have outdoor antennas again! Carlton Howington IDed my mystery ch. 32 with Dr. Gene Scott as WTMV-32 Lakeland. They used to be 100% rock videos, therefore I hadn't considered them as a possibility, but apparently they now run some fringe evangelists in the early AM. Locally, WNFT-47 now on with 5 megawatts as of 10/26. It images all over the band and makes much of 44-50 useless. Impossible to null them now to DX adjacent channels. Guess it's time to invest in another trap!

I will be spending a week in November at St. Joseph Peninsula State Park, near Port St. Joe in the FL panhandle. I'm hoping this spot, smack on the Gulf, will turn out to be a good DX spot!

IT'S TEN O'CLOCK

Do You Know Where Your News Is?

WSAW-TV 7 Keep An Eye On Us



The station that gives you more!

TV 24 WTAT

CHARLESTON

Your movie station.

abc **KLIX** 31
ALEXANDRIA LOUISIANA

FIRST EDITION **KY3** ACTION NEWS

WESTERN TV-DX

December 1988

Fred McCormack
Box 9077
Prairiewood Station
Fargo, ND 58106-9077

Deadline: 01-05-89

*** PLEASE NOTE NEW MAILING ADDRESS ***

October seems to have been a washout for TV DX. A notable exception to that was an E skip opening observed by Jeff Kruszka on October 11.

This month includes some more reports of the excellent tropo openings which occurred in late September.

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - ● Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - //

BN Baja California Norte CH Chihuahua CU Coahuila NL Nuevo Leon

Frank Merrill, P.O. Box 669, Macomb, IL 61455

CDT

Equipment:

Zenith Y1310 13" color. 40 foot tower. "Good" combination U/V antenna, twin lead, unknown preamplifier.

<u>September 1988</u>	27 tr 0254	WFAA 8 TX 640	27 tr cont.	KOED 11 OK
26 tr 0440-0510		(See Note # 1)		KTHV 11 AR
KWTV 9 OK	0400	KDFW 4 TX 640		KODE 12 MO
KAUT 43 OK	0453	●KARK 4 AR 430		KETA 13 OK
KWCH 12 KS	0000-0500 included:			"All" OKC UHF's
WMKW 30 TN rare	KJRH 2 OK rare			"All" Tulsa U's
WAAY 19 AL	WREG 3 TN			"All" D-FW UHF's
KAAS 18 KS	KOTV 6 OK			KLRT 16 AR
evening	(Snow free)			(Over WTJR-16)
much OK / KS UHF	KOAM 7 KS			KDOR 17 OK
2300 unid ch 35 0 kHz	KATV 7 AR			KPOM 24 AR
(OK translator?)	KAIT 8 AR			KHOG 29 AR
27 tr 0000	KTUL 8 OK strg			KJTM 38 AR
KFWD 52 TX 640	KWTV 9 OK		0553	KAFT 13 AR rare
(Spanish)	KTVE 10 AR		0555	●KETS 2 AR 430
0043	KTVT 11 TX			(See Note # 2)
(Astros promo)				

Note # 1 - Jeff tried to see this too, but he is a lot closer to WIUM-FM and he had some problems with their second harmonic; so he missed this. It is possible, too, that my shorter tower gave me less WQAD-8 to contend with.

Note # 2 - Besides these three, Jeff had KETG-9 which I couldn't see (I logged it in 1986). We had both thought this catch impossible because it's right "through" KTVI-2, which puts in a monster signal for us due to the terrain quickly falling 100 feet to our south. All Arkansas educationals listed here have a 3/4 color bar pattern with a distinctive "AETN" ID near the top.

(A call letter change for KJTM-38 was recently reported - to KASN-38. fm)

Jeff Kruszka, 1900 Stevens Drive, #224, Richland, WA 99352

PDT

Equipment:

Sylvania 12" black and white, quad loops cut for channels 2, 3, and 5 @ 15'

I thought receiving E skip in September was exciting - now I've received E skip in October for the first time ever!

<u>October 1988</u>	11 Es 1128	KTVK 3 AZ 915	11 Es 1200	KNBC 4 CA 790
11 Es 1112	unid 3, 5 Mexico	1129	KNAZ 2 AZ 815	(Small Calls!)
1121	XETV 6 BN 915	1143	KPHO 5 AZ 915	1201
				KCBS 2 CA 790

Strange, but every off-season opening I've had up here has always been from the southwest - California, Arizona, New Mexico. Anyway, I hope it continues since I don't have any tropo to watch for!

Jeff Kadet, Box 20, Macomb, IL 61455 (309)-833-1809

CDT

Equipment:

Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith Y1310 (all circa 1979-1982), Channel Master 1110 with CP 3800 preamplifier, RG-11 at 50', Channel Master 7' dish with PA 4975 preamplifier. .500 cable at 55', Winegard 5 element low band vertically polarized at 20'.

August 1988

1 ms 0353	WRC	4 DC	10 Es 0820	WPBT	2 FL	23 tr 1117	KCIT	14 TX	703
0414	WTAE	4 PA		WEDU	3 FL	Es 1700	WPBT	2 FL	
0420	KCNC	4 CO	11 Es 1225	@KACVt	2 TX		WTVJ	4 FL	
0456	KARK	4 AR	14 Es 1000	WESH	2 FL		WESH	2 FL	
tr 0503	WUXA	30 OH		WEDU	3 FL	24 Es 1030	KMID	2 TX	
2 Es 1600	XEFB	2 NL		WPBT	2 FL		unid ch 4 Mexico		
1630	KENW	3 NM	1230	XEFB	2 NL	1052	KVOA	4 AZ	
1643	KDBC	4 TX	16 tr 0759	K34Aft	34 MN	1100	KACB	3 TX	
1700	WFSB	3 CT		("Red River TV")			KTVK	3 AZ	
1706	WGRZ	2 NY	0820	K46AC	46 MN	395	1158	XHIT	4 CH
1729	KIII	3 TX		(Willmar	WCCO- 4)				
1800	WGBH	2 MA	0834	K48AH	48 MN	395			
2200	WCBD	2 SC		(Willmar	KMSP- 9)				
3 Es 1725	WESH	2 FL		(o/St. James 48)					
1800	WPBT	2 FL	Es 1800	WPBT	2 FL		8 tr 0856	+CBLN	40 ON
	WJXT	4 FL	20 Es 1530	XHIA	2 CU	1265		+CBLN4	45 ON
	WTKR	3 VA	23 tr 0700	KAAS	18 KS	395	0930	CKCO3	42 ON
1930	KFDX	3 TX		0803	K14HK	14 KS	27 tr 0215	-KFWD	52 TX
1941	KCNC	4 CO		(Great Bend	KSAS-24)			K54BB	54 OK
1957	KMID	2 TX	0900	KPTS	8 KS	414			
	KIII	3 TX		KOOD	9 KS	475			
	KDBC	4 TX		K71BO	71 KS	350			
2047	KNMZ	2 NM		(Herrington	KAKE-10)		0404	unid ch 57 relig	
2100	KENW	3 NM	0916	K45AU	45 TX	575		KDFW	4 TX
2140	KOB	4 NM		(Follett	KVII- 7)		0459	KTVE	10 AR
5 Es 1030	WCBD	2 SC	0939	K58AX	58 OK	550	0515	KDAF	33 TX
8 tr 0420	WUAB	43 OH		(Buffalo	KWET-12)			KETK	56 TX
	WVIZ	25 OH	1008	K31BW	31 KS	325	0529	KTHS	2 AR
0430	WCMH	4 OH		(Manhattan	TBN)			KLMG	51 TX
								KETG	9 AR

September 1988

Thanks to Ye Editor for the info on K45AU. They are my first Texas translator and translator state #22. They were putting in a solid color picture for about three minutes. Also notable was KCIT-14 which was snow free at the same time.

Apparently there was a super opening on September 8 that I missed because the PA 4975 had to be sent to Winegard to get repaired. Nate Ely called to say he was getting 1000 mile tropo down to the Gulf. Why didn't the pre-amp break down in October? This month has been a total washout. Anyway, after Nate called at 0845, I turned on the set and still got two new ones, CBLN's on 40 and 45. Hope others got into this opening.

I'm deleting three loggings from my totals and adding one. CFCL4/CHNB-4 on June 1, 1988 was likely CHNB which is already counted. XHBC-3 way back on July 6, 1984 and XEBQ-3 on July 27, 1986 were probably both XHBO-3, Zacatecas. The database has them listed as XHBQ. Don't ask why the Mexicans are putting XHBC and XHBO on the same channel. To confuse TV DX'ers??

The new logging is KWCM-10 on July 16, 1988 at 0645 with full screen color bars (no ID) and then into "AM Weather." Forgot to list this last time. Station total now at 949.

One oddity this summer was not seeing XEPM-2. In previous seasons they have bordered on being a pest. And what is the deal with KTXT-5? This one is at an ideal E skip distance (778 miles), but it has never been seen after logging 41 E skip stations on channel 5. Three Mexicans on channel 5, XEJ, XHAE, and XHFE all have less than 10 kW and make it in here every so often, but 63.1 kW KTXT never has.

I just had a 70' tower put up but will probably keep the TV antennas on the 50' tower and put ham/SW stuff on the 70' one. Sunspots are coming back! 73, W3CRH

Michael Parks, Route 1, Box 103, Amery, WI 54001

CDT

Equipment: See November 1988 Western TV-DXAugust 1988

1 tr 0159	=KFME	13 ND	260	7 tr 0028	K30AC	30 MN	184	7 tr 0028	K28BZ	28 MN	188
6 Es 0211	KMOL	4 TX	1162	(Marshall	KSTP- 5)			(Marshall	KELO-11)		

Michael Parks (continued)

			September 1988		
15 tr	1714	South Bend 16, 22, 34, 46	19 Es	1306	KREG 3 CO 872
			21 tr	0100	Chicago 26, 32
1715	Milwaukee 4,6,10 12,18,24,30,36		0042	Redwood Falls 60,62,64,66,68	0111
1718	W65BT 65 WI 272 (Milwaukee WCIU-26)	(See Note # 1)	0044	K17BV 17 MN 151 (Redwood Falls KITT-29)	1306
1720	WGVU 35 MI 359		0046	K65DT 65 MN 161 (Walker KVR-15)	1308
1722	WTLJ 54 MI 359		0047	K67BZ 67 MN 161 (Walker KBJR- 6)	1310
1727	WXMI 17 MI 384		0048	K69CP 69 MN 161 (Walker KSAX-42)	1312
1731	WZZM 13 MI 346		0054	KESD 8 SD 253 K15CE 15 MN 151	
2204	K74CZ 74 MN 99 (Winona KTT-10)	(My first abv 69)	0101	Brainerd 16, 54	
2206	W49AG 49 WI 187 (Bloomington WHLA-31)		0115	K66BI 66 MN 105 (Aitkin WDO-10)	1346
2217	WKJG 33 IN 465		0124	K26AC 26 MN 188 (Bemidji KVR-15)	1348
2221	WINM 63 IN 464 (See Note # 2)		0136	WIRT 13 MN 141 (Over WEAU-13)	1351
2225	South Bend 16, 22, 34, 46		0139	KDNL 30 MO 482	1352
2237	Rockford IL U's W64AU 20 WI 155	(Adams WHRM-20)	0142	KJMHT 26 IA	1354
2321	WRGT 45 OH 566		0143	KWQC 6 IA 281	1407
2333	WFFT 55 IN 464		0145	WQAD 8 IL 298	1409
2336	WFWA 39 IN 464		0159	W65## 65 MN 222 (Unknown KMSP- 9)	1418
16 tr	0017	KQSD 11 SD 262	0203	KLJB 18(IL) 298	1426
0020	KQSD 11 SD 374 (Under KARE-11)		0203	KLJB 18(IL) 298	1431
0024	K28BT 28 MN 157 (Alexandria KITT-29)		0203	KLJB 18(IL) 298	1434
0024	K62AU 62 MN 153 (Alexandria ACTS/TBN)		0203	KLJB 18(IL) 298	1445
0033	K59BT 59 MN 183 (Donnelly KMSP- 9)		0203	KLJB 18(IL) 298	1447
0036	K64BG 64 MN 158 (Starbuck KTHI-11)		0203	KLJB 18(IL) 298	1451
0036	K66BA 66 MN 158 (Starbuck KMSP- 9)		0203	KLJB 18(IL) 298	1528
0037	K63BW 63 MN 183 (Donnelly KSAX-42)		0203	KLJB 18(IL) 298	1535
0037	K57BL 57 MN 183 (Donnelly KTHI-11)		0203	KLJB 18(IL) 298	

Note # 1 - 8/15 @ 1718 - After years of trying for W55AS without success, it moves to channel 65 and I get it on the first try. Everything was booming in, but no sign of new WHKE-55. Channel 55 must be cursed.

Note # 2 - 8/15 @ 2221 - An easy ID - they were running a slide with LARGE letters reading "WINM IS EXPERIENCING TECHNICAL DIFFICULTIES."

(There is nothing in the September 1988 FCC data base to explain your mystery translator loggings. If they were legitimate translators of those stations, you will see them again. Keep us informed. fm)

Thanks to all who have contributed to Western TV-DX during 1988. Here's hoping 1989 is as hot for DX as the sunspot analysts are suggesting!

Please be sure to always indicate the state of each of your loggings. That may seem unimportant, but it helps a lot here. Every month includes reports with call letters which are unclear or archaic. With the state present, I stand a much better chance of correctly listing your logging. I should not be guessing.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

FOR DXers IN: Canada, ME, NH, VT, MA, RI, CT, NY, NJ, PA, OH, MI, IN, IL, WI, IA, MN, ND, SD, NE, MT, WY, ID, WA, OR, AK, and HI

DECEMBER 1988 **HAPPY HOLIDAYS!!** DEADLINE: THE 5TH

A big column for December, probably because September was good for many people. There was a big skip opening Nov. 11; hope you heard it! Thanks to everyone who has sent in DX and/or bandscans. Let's start out this month with Morris Sorensen...

MORRIS SORENSEN - GENERAL DELIVERY - PORT CARLING, ONTARIO P0B 1J0

RECEIVER: Sharp FV-610

ANTENNA: Archer Color Supreme V (indoor) or whip

SEPTEMBER 1988

16 Tr

2303 WMHN 89.3 NY Webster, w/national and NY state news, wx, Christian mx, many mention of Mars Hill Network. I didn't report this last time as I considered it tentative but William Herbburns logging of July 5th reported in the Sept. bulletin confirms it for me.

29 GW

1236 CFJD? 95.7 ON Barrie, new local hrd testing with rock mx "The countdown continues on Rock 95. Be there as Central Ontario's first rock and roll radio station signs on next Friday morning." They are now on with regular programming. They usually ID as "Rock 95" but the legal ID when given sounds like CFJD or phonetic equivalent. They sometimes give a dual city ID mentioning "Barrie-Orillia" (Morris, I have heard that their calls are CFJB. They are in strength to WOLN Olean, stronger than WAQX & WLHT-sc)

30 Tr

0858 WCML 91.7 MI Alpena, NPR, local wx @ 0900

2031 CFMO 93.9 ON Ottawa, EZL

2059 WPCX 106.9 NY Auburn, country mx, ID ment translators in Syracuse & Ithaca on 98.3

2204 CKDK 102.3 ON Woodstock, Broadcast mx, local wx, rock mx

2358 WMHR 102.9 NY Syracuse, religion, news, CKLH nullied

OCTOBER 1988

1 Tr

2157 WGR 96.9 NY Buffalo, local ads, Block Party weekend answered a listeners request for Grateful Dead, call letters not heard but I believe they went back to this (WGR is the correct call, ex: WRLT. They often use "97 Rock"-sc)

19 Tr

1230 CJMX 105.3 ON Sudbury, wx, m, very little CFBK 105.5 splatter

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080

Equipment - McIntosh MR-78 tuner, a pair of CM Stereo Probe 9s, stacked, with rotor at 40 ft.

Time: ELT

OCTOBER 1988

16 Tr

1049 {WBSS} 97.3 NJ Millville, r, "BOSS FM", ex-WMVV

1955 WBLQ 99.3 RI Block Island, finally hit the air with a satellite light rock format

2205 WQVR 100.1 MA Southbridge, s/off

17 GW

0153 WWKZ 96.7 NY Clifton Park, r, "KZ-96.7" 162

1103 {WHKS} 94.9 PA Harrisburg, now soft r, KISS 95", ex-WMSP and classical 131

28 GW/Tr

1247 WFRS 88.9 NY Smithtown, g, WFME-94.7 Newark and WFRS IDs, seemed to be // to WFME. WSIA Off. 66

COMMENTS: Not much this month. Sorry to see WMSP-94.9 go as they operated only 18-19 hours a day (one of the very few stations not operating all night). WHKS is, of course, 24 hours. At least I did log all W- calls on 94.9 in the meantime except WPCH Atlanta, WIKQ Greenville, TN and 14 watt WRSD Folsom, PA. If pirate WJPL-91.9 is to be believed, the reason why WEVD is still on 97.9 rather than 1050 AM (with WSKQ-620 to take over 97.9) is that WEVD made a previous agreement promising 97.9 to someone else and court action has been threatened. We're not talking small change on the WEVD/WSKQ deal, either. It is worth, to WEVD, an estimated 90 to 100 million dollars!

HAPPY HOLIDAYS!!

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh FM Tuner - CM Stereo Probe 9 Antenna - Summertime is CDT here.

September 1988

4 MS
0131 WXTG 96.9 SC Charleston
(with music, a 47 second burst)
2334 KBEP 101.1 MN Bemidji
2352 KRMD 101.1 LA Shreveport
(See end of report for MS results)
7 MS
0000 KLQL 101.1 MN Luverne, s/off
8 tr
1000 WKHQ 95.3 IL Winnebago-Rockford
9 tr
1821 WKLA 106.3 MI Ludington, wx
(WZRQ 106.3 IN Columbia City off air)
10 tr
2222 WMGE 107.1 KY Danville, k\$
11 tr
0145 WOW 94.1 NE Omaha,
"That's sports, WOW," then k
0259 KZKX 96.9 NE Seward-Lincoln, k\$
"We're Lincoln's Best - 96-Kix"
13 MS
0125 WFPQ 96.9 NJ Atlantic City
16 MS
0426 WINK 96.9 FL Fort Myers
18 MS
1202 KVNE 89.5 TX Tyler
19 tr
0131 WBGM 98.9 FL Tallahassee, r\$,
Full ID previous MS
0152 WBBT 106.7 KY Cave City-Glasgow, r\$
0300 WNOX 99.3 TN Jefferson City-
(See Note #1) k\$ Knoxville-Morristown
19 MS
2046 KOSI 101.1 CO Denver
22 tr
0000 CILQ 107.1 ON Toronto, rp\$
0004 CKDS 95.3 ON Hamilton, r\$
0051 CIUT 89.5 ON Toronto, r\$
0143 WIFX 94.3 KY Jenkins, r\$
0156 WPEV 94.9 VA Roanoke, b\$, o/WOXP
0200 WMEV 93.9 VA Marion, k\$,
very strong and localike!
23 tr
0017 WCBH 104.3 IL Casey, pr\$
(See Note #2)
24 tr
0825 WJMU 89.5 IL Decatur, r\$,
(See Note #3) 165 watts, 84 ft. tower
25 tr
1700 WMAE 89.5 MS Booneville, c\$
PRM ID's
1800 WMEV 93.9 VA Marion, k\$
very strong again and localike!
2304 WKSI 98.7 NC Greensboro-Winston-
Salem-High Point, r\$
26 tr
0021 WZYP 104.3 AL Athens, r\$, "ZYP"
0031 WGTB 105.5 VA Richlands, g\$, wx,
"Where Good Things Happen," PSAs
0100 WBDY 106.3 VA Bluefield, k\$
0113 WRJT 107.1 TN Monterey, r\$
"Hit Radio for Middle Tennessee"
0144 WSTZ 106.7 MS Vicksburg-Jackson,
r\$, "Z-106"
0257 WAHR 99.1 AL Huntsville, r\$,
"Radio-99", o/WHIO Dayton, OH

September 1988

26 tr
0300 WRVU 91.1 TN Nashville, s/off 289
0323 WRJB 98.3 TN Camden, r\$ 325
690 "Super-98 serving West and Middle TN
706 with complete sports coverage"
0345 WZLQ 98.5 MS Tupelo, 448
k\$, "Z-99"
0354 WUSJ 99.3 TN Elizabethton, 318
k\$, "US-99"
27 tr
0155 WMQC 100.9 WV Westover- 288
(full ID - faint) Morgantown, r
0235 WHLK 105.5 WV Bethlehem, r 248
0259 WSSN 102.3 WV Weston, r 270
1100 KSPQ 93.9 MO West Plains, r\$ 423
"94-FM - The Super Q," in localike!
30 tr
0100 WZDM 92.1 IN Vincennes, r\$ 154
"Wisdom-92.1"
0242 WFPS 92.1 IL Freeport, r\$, 253
ads, "Classic Hits-92"
(WBST 92.1 IN Muncie, off air!)

October 1988

1 MS
2150 WNOE 101.1 LA New Orleans 754
2 MS
0400 KEZV 101.1 SD Spearfish 983
12 tr
0103 WAJI 101.1 IN Fort Wayne, ???
who's rebroadcasting WAJI on 101.1?
14 MS
1042 WNOE 101.1 LA New Orleans 754
16 MS
0116 KTEZ 101.1 TX Lubbock, 1017
Previous Es
19 tr
0950 KOKS 89.5 MO Poplar Bluff, 360
asking for donations w/address, g\$
19 MS
2347 KLOL 101.1 TX Houston 915
20 MS
0112 KRMD 101.1 LA Shreveport 706
20 Es (MS induced)
2311 WRR 101.1 TX Dallas, c\$ 814
(See Note #4)
21 MS
0057 KOSI 101.1 CO Denver 1040
0116 KRMD 101.1 LA Shreveport 706
0214 KRMD 101.1 LA Shreveport 706
0300 KTEZ 101.1 TX Lubbock 1017
0702 KLOL 101.1 TX Houston 915
0705 KLIR 101.1 NE Columbus 632
0719 KLOL 101.1 TX Houston 915
0757 KOSI 101.1 CO Denver 1040
0759 KTEZ 101.1 TX Lubbock 1017
0808 KENW 89.5 NM Portales 1071
0932 KHCD 89.5 KS Salina 658
22 MS
0101 WRR 101.1 TX Dallas 814
26 MS
0200 KTEZ 101.1 TX Lubbock 1017
27 MS
0914 KTEZ 101.1 TX Lubbock 1017
0938 unID 101.1 ?? ? ???
28 MS
0227 KOSI 101.1 CO Denver 1040

Continued next page

- Note #1** - According to Bruce Elving, 99.3 in Jefferson City-Knoxville-Morristown, TN has not changed calls from WJFC-FM to WNOX. However, the female DJ kept mentioning WNOX and gave a legal ID on the hour as WNOX. Perhaps Matt Sittel can check this out for us the next time he is home from NC State University in Raleigh.
- Note #2** - Andy Bolin, Charleston, IL mentioned that 104.3 WCBH Casey, IL was on the air. My MR-78 incredibly logged WCBH squeezed between locals 104.1 WLBC Muncie and 104.5 WAJC Indianapolis. There was only a slight splash from WLBC.
- Note #3** - I have tried for 89.5 WJMU Decatur, IL for years. On 9/24 I had to get up early for a Muncie Symphony rehearsal. I noticed a rocker on 89.5, but presumed it was KOPN Columbia, MO as usual. This station was taped and listened to in my car on the way to the rehearsal. I nearly ran off the road when the DJ said, "Get up Decatur, it's time to Rock 'N Roll. Here we go 89.5 - WJMU."
- Note #4** - On 10/20 I began taping 101.1 for MS. Suddenly at 2311 the signal meter jumped up to 8 (of 10). WRR Dallas was being heard by what seemed to be Es. I checked the TV set, but no signs of skip! After taping PSA's mentioning WRR, Dallas and KDTN-2 (Denton), I quickly checked other frequencies. There was very strong Es on 88.1 88.3 and 93.9. In five minutes the reception faded away. Bob Zent, Huntington, IN reminded me that there is such a thing as meteor scatter induced Es. I suspect this is what I had noted, as MS was fantastic all night. My reel to reel tape deck on slowest speed caught mostly relogs, though. Where are all the stations on 101.1 I've never heard by any propagation mode?

METEOR SCATTER RESULTS

- Sep 4** - WXTC "...Charleston's Lite Rock..."
KBHP "...shop in downtown Bemidji..."
KRMD "...Shreveport del..."
- Sep 7** - KLQL "...for listening today, and inviting you to join us again tomorrow morning on KQAD and KLQL..."
- Sep 13** - WFPG "...WFP..."
- Sep 16** - WINK "...Wink FM-97..."
- Sep 18** - KVNE "...two minutes after twelve. This is KVNE Tyler..."
- Sep 19** - KOSI "...Hello, I'm John Clinter from KOSI. And I'm Laurie.2.Russell from Viewpoint...enjoy what's happening this week at Viewpoint. Beginning this month, Viewpoint hosts a free evening workshop for families and friends at People's 55 Shop..."
- Oct 1** - WNOE "...WNOE New Orleans' FM-101..."
- Oct 2** - KEZV "...and less talk - KEZV..."
- Oct 14** - WNOE "...Boot Walker. He's got 'em right here at WNOE..."
- Oct 16** - KTEZ "...KTEZ - K-Lite 101..."
- Oct 19** - KLQL "...in the past week. See you out tomorrow night...on 101-KLOL..."
- Oct 20** - KRMD "...KRMD FM-101..."
- Oct 21** - KOSI "...Midwest Furniture has served the Denver area for...years..."
KRMD "...RCA radio today and tomorrow. I'll take caller number ten at...you're with...radio...on KRMD..."
KRMD "...KRMD FM-101 - You're invited to join KR..."
KTEZ "...K-Lite is KT..."
KLQL "...101-KLOL on a Friday ...7 o'clock...This is..."
KLIR "...the area this morning. The forecast for Columbus...high temp..."
KLOL "...Houston area..."
KOSI "...the Denver Auditorium" (2½ min. burst edited. Ad and CO news)
KTEZ "...K-Lite - 101.1-FM..."
KENW "...until mid-morning, becoming fair....in Carlsbad..."
KHCD "...Wichita - 47 degrees in Salina..."
- Oct 22** - WRR "...next on WR..."
- Oct 26** - KTEZ "...K-Lite is KTEZ..."
- Oct 27** - KTEZ "...JTV-34..."
(Sure enough, KJTV-34 is in Lubbock!)
unID "...a new look from the Clothes Cottage, 701 S. Locust in Shattig. Open 10 til 5 Mon thru Sat..."
- Oct 28** - KOSI "...here at KOSI..."

Number of meteor scatter bursts on each frequency

88.1 - 4	89.7 - 1	91.5 - 2	98.7 - 2 (Total
88.3 - 2	90.1 - 2	92.1 - 1	98.9 - 18
88.5 - 4	90.7 - 1	93.9 - 7	100.3 - 1 is
89.3 - 3	91.1 - 6	95.1 - 1	101.1 - 18
89.5 - 13	91.3 - 1	96.9 - 9	103.7 - 8 105)
			107.7 - 1

Even though today is Halloween, by the time you read this, I should be saying, Merry Christmas to everyone out there in the world of TV-FM DXing! 73 - Ralph

ROGER GRAVELLE - 60 VALERIE ST. - ST. THOMAS, ONTARIO N5R 1A8

EQUIPMENT: Sony ST555 Digital, 9 element yagi (CM) at 55' AGL. Philco Ford Digital in Car.

JULY 1988

Interesting skip opening to Chicago Area
(July 17 was Tr, not Es-sc),

strong trop opening to Midsection of USA

17 Tr

1600 WTMV 106.7 IL DesPlaines	388
1615 WFMT 98.7 IL Chicago	385
1400 WBEZ 91.5 IL Chicago	385
1445 WLUP 97.9 IL Chicago	385
1600 WNIB 97.1 IL Chicago	385
2358 CJBC 106.3 ON Peterborough	165
18 Tr	
0020 WXEZ 100.3 IL Chicago	385
1609 WSPY 107.1 IL Midland "SPY"	390
1637 WCKG 105.9 IL Elmwood Park	388
1700 CJBC 90.3 ON Toronto	
(see my comments-sc)	120

(Roger, CJBC 90.3 Toronto is not on the air. What sort of programming did you hear? If it was English CBC, it was likely CBEG Sarnia. Also, there is no 92.1 in California, Pa. Do you mean WVCS 91.9?—sc)

COMMENTS: Reception steady on WIVK for over 4 hrs! Milton Jones, Chief Engineer at WIVK very helpful. Also said FM Station is rated as no.1 Listener draw in Knoxville and USA at 32% of audience. AM stations draws 4 to 5% AM 850 moving to 990 (old WNOX) for better local AM coverage. FM band locally is so overloaded with stations that locals (on reasonably decent reception days of summer) as close as 20 and 30 miles and again at 60 mile radius are unlistenable in car due to adjacent chop. Distant stations 75 to 120 miles are in same situation even if signal is strong due to overall jamming of FM Dial. On summer reception days 10yrs ago there were more stations to listen to simply because of blank adjacents. St. Thomas Ontario is looking for an FM freq to replace 1570 AM if CRTC won't grant improvements on AM coverage or if cost improvements are cost prohibitive per local engineer Rick Roi. They want more than 3 kw. CRTC will probably put them on top of a Cleveland or Detroit station Es. Woodstock, ON-Erie PA 102.3; 85 miles. 73's Rog

BILL KRETSCHMER - 104 KOPP AVENUE - NORTH SYRACUSE, NEW YORK 13212-1606

OCTOBER 198821 Tr & MS

1934 WZAK	93.1 OH Cleveland (WNTD off)
	WCNY 91.3 & ch24 also off
	due to Ice Storm &
	Power Failure @ Mt. Sevier

1943 unID	93.1 unID Country MS burst
-----------	----------------------------

1950 WMGX	93.1 ME Portland
-----------	------------------

25 Tr & MS

1547 WREQ	97.1 OH Ashtabula
-----------	-------------------

1548 unID	97.1 unID classical MS burst
-----------	------------------------------

26 GW

2100 WFRW	88.1 NY Webster "Family Radio"
-----------	--------------------------------

28 Tr & MS

1552 WCGY	93.7 MA Lawrence
-----------	------------------

1600 WPLM	99.1 MA Plymouth
-----------	------------------

1602 unID	99.1 Willie Nelson MS burst
-----------	-----------------------------

(Bill, are these trop openings or troposcatter?—sc)

COMMENTS: I'll be reporting more often now because I have a new tuner. It is the top of the line Yamaha TX-9000U. Selectivity, sensitivity, and image rejection are great. It compares as good as the Carver TX-11A. My CM Stereo Probe 9 was @ 30' and is now at 40' AHL. Hope to see Es pick up in December and DX Florida again. 73's Bill

SEPTEMBER 198811 Tr

0200 FM92	92.1 PA California	
	(see my comments-sc)	222
0930 WLCO	100.9 OH Clyde	143
22 Tr		
1000 WKST	92.1 PA Ellwood City	
	STAR 92	163
1001 WTOF	98.1 OH Canton-Akron	135
1010 WSGS	101.1 KY Hazard	
	verie recd 10/30CAR	390
1022 WHAJ	104.5 WV Bluefield CAR	355
1030 WIVK	107.7 TN Knoxville	
	verie recd 9/27	
	(nice catch-sc) CAR	490

93.1

HIT RADIO

AMERICAN

★ TOP 40 ★

SUNDAYS 8 AM - 12 Noon on 93Q

HAPPY HOLIDAYS!!

DAVE NIEMAN, P. O. BOX 155, CLARENCE, NY 14031-0155

[lat. 42° 58' 30" long. 78° 31' 30"]

EQUIPMENT: Carver TX-11 tuner, Heathkit audio amp, Channel Master Stereo Probe 9 at 25' AG
(815' ASL) turned by a CDE rotor, RG-11 coax used. **NOTE:** new mode/logging WJWJ, KKKK.

OCTOBER 1988

21 TrS
1043 WCRH 90.5 MD Williamsport, g\$, calls 240
3 TrS
1056 WMMR 93.3 PA Philadelphia, r\$, 266
93-3 + calls
1100 WGTs 91.9 MD Takoma Park, ct\$, ID 288
1200 WKAR 90.5 MI East Lansing, c\$, ID 309
1248 WAPS 89.1 OH Akron, rp\$, call+89-FM 207
4 TrS
1100 WIDL 104.9 MI Caro, b\$, calls 254
1408 WEAZ 101.1 PA Philadelphia, b\$, EASY-101 266
1420 WNIH 100.1 OH Kent, t, calls
"the talk of Akron" 200
5 TrS
0820 WVTF 89.1 VA Roanoke, NPR\$, (local weather) 404
0900 CBF-9 91.9 PQ Mont-Laurier, t calls // CBF-AM??? 284
7 TrS
1055 WDSD 94.7 DE Dover, k\$, calls 305
1059 WFME 94.7 NJ Newark, g\$, ID 268
8 TrS
1022 WEMU 89.1 MI Ypsilanti, j\$, calls 268
9 TrS & MS
1000 WGLE 90.7 OH Lima, NPR\$, ID//WGTG 91.3 333
1128 KQBC 90.7 MO Joplin, calls (prev ES) 942
10 TrS & Tr
1023 WAUS 90.7 MI Berrien Springs, c\$, ID 406
1128 WFRW 88.1 NY Webster, g\$, ID 60
FAMILY RADIO (much CCI from KCLN)
1241 WMMG 103.7 NJ Atlantic City, r\$ 323
calls + 104-MGM
1250 WPST 97.5 NJ Trenton, r\$, calls+97.5 270
11 TrS & MS
0220 WXGT 92.3 OH Columbus, r\$, 92X + call 315
1300 KESD 88.3 SD Brookings, \$, (prev ES) 914
"SD Public Radio Net. station: KBHE 89.3
Rapid City..."

OCTOBER 1988

16 TrS
0900 WNFA 88.3 MI Port Huron, g\$, ID 205
"Bluewater Christian Radio"
17 TrS
1044 CJLA 104.9 PQ Mirabel, m\$ FF, 270
"Radio Fusion"
1053 WSRD 104.9 NY Johnstown, r\$, calls 199
19 TrS
0051 WYST 92.3 MD Baltimore, r\$, 92-star 274
1332 WVNQ 106.1 OH Mansfield, r\$, call 260
22 TrS
0958 WAMU 88.5 DC Washington, NPR mono, 288
calls + 88-5 FM
1011 WDCU 90.1 DC Washington, t\$, ID 288
1649 WPGC 95.5 MD Morningside, rs\$, call 301
23 TrS
1100 WHPA 104.9 PA Hollidaysburg-Altoona
mr\$, ID + FM 104.9 175
1304 WHDG 103.7 MD Havre de Grace, sports \$ (auto race), ID 264
24 MS & TrS
0827 WBSN 89.1 LA New Orleans, g (cont. chris)\$ ID + PSA's (prev ES) 1110
1301 WQUC 89.1 OH Cambridge, c\$, ID//WQUB 91.3
and WQUL 89.1 260
1348 WALK 97.5 NY Patchogue, mr\$, call 319
1406 WCXR 105.9 VA Woodbridge-Washington, DC
r\$, call + "Wash.'s only classic rock" 309
25 TrS
0927 WNIC 100.3 MI Dearborn, r\$, call 254
1250 WRTI 90.1 PA Philadelphia, j\$, call
(pledge drive, phone: 1-800-233-WRTI) 266
1334 CKMF 94.3 PQ Montreal, r (dance)\$ FF, calls 295
1346 WARX 106.9 MD Hagerstown, mr\$, call 238
27 MS
1203 WRBH 88.3 LA New Orleans, \$, calls 1110
"support WRBH and keep it alive in New Orleans"

My somewhat lengthy report doesn't mean I've been having a good month for DX. It only means I'm reporting station I would not have before. So class "A" stations over 150 miles, class "B's" over 250 and class "C's" over 300 miles will be going in my reports for the winter months (that's a good time of the year for tropic scatter). Dave

BILL DULMAGE - R. R. #3 - COLBORNE, ONTARIO K0K 1S0

EQUIPMENT: GE Superadio II, using built in whip antenna, as well as 40' outdoor antenna.

JUNE 1988

14
1920 WGCC 90.7 NY Batavia
21
2036 WAQX 95.7 NY Manlius
28
2032 KMEZ 100.3 TX Dallas
2040 KEOM 88.3 TX Mesquite

JULY 1988

27
1958 ZBM 89.1 BERMUDA

WELCOME
to Northern FM DX, Bill!!

AUGUST 1988

3
0900 CJBC 96.5 ON Penetanguishene
4
1835 CJBC 99.3 ON London
1900 CKGL 96.7 ON Kitchener
6
1200 CFRC 91.9 ON Kingston
7
2036 WXKC 99.9 PA Erie
2117 CBCB 98.7 ON Owen Sound
2137 WLTF 106.5 OH Cleveland
2146 CBBL 100.5 ON London
2220 WYUT 92.7 NY Herkimer
2228 WDOH 104.9 OH Geneva
2318 WQXX 105.1 OH Salem
2328 WCVF 88.9 NY Fredonia
2343 WRED 97.1 OH Ashtabula
2350 WPHR 107.9 OH Cleveland

HAPPY HOLIDAYS!!

BILL DULMAGE'S report - continued

AUGUST 1988 ctd

8
1950 WICB 91.7 NY Ithaca
9
1740 WAAL 99.1 NY Binghamton
1748 CJBC 99.5 ON Kingston
2002 CBBK 92.9 ON Kingston
2100 WLLG 99.3 NY Lowville
2120 WACS 103.5 NY Cobleskill
2342 WMHT 89.1 NY Albany
(Schenectady-gc)

10
1755 WQKX 94.1 PA Sunbury
1933 WTNV 93.5 NY Watertown
1942 WFRG 96.1 NY Rome
2056 CJOM 88.7 ON Windsor
2113 WHOT 101.1 OH Youngstown
2302 WSOB 90.9 NY Ithaca

AUGUST 1988 ctd

16
0043 CKNX 101.7 ON Wingham
2300 WJSL 90.3 NY Houghton
20
1007 WWKS 106.7 PA Beaver Falls
1020 WAMO 105.9 PA Pittsburgh
31
1107 CFMX1 103.1 ON Mississauga

SEPTEMBER 1988

13
2142 WKYE 95.5 PA Johnstown

KUBE 93 FM

Nothing really fantastic. Most of the above are semi local - received by nulling out the more local ones. All are newly heard at this location though. Can confirm a call letter change tonight - heard Olean, NY's 95.7 as WOLN (was WEBF).

I started working at CFMX-FM in Cobourg at the end of August. For the record: CFMX-1 (official call letters) started testing around August 28th and officially signed on this past Friday, October 7th at 10:45 AM. CFMX1 receives programming off air from CFMX-FM 103.1 in Cobourg. CFMX-1 at 96.3 Mhz, operates with 19.1 kw (not 30 kw as stated on our coverage map - this coverage map was for the original application). A coverage map for 19.1 kw is apparently not available - at least not at our Cobourg offices) and the transmitter is atop an apartment building in the Highway Ten and Burnhamthorpe Road area of Mississauga (43-35-38/79-38-02). As for 103.1, our new tower is up and Global TV is now operational from that tower; we are awaiting new antennas from Germany. Estimated installation date for the new antennas is November or December. We will then be reducing our power on 103.1 from the new higher tower to about 90 kw from 117 kw. So we have two transmitters, main studios and offices in Cobourg, production studios in downtown Toronto (as well as sales offices) and account executives scattered throughout the coverage area, including Rochester, N.Y. (How will the new site for 103.1 affect it's coverage into Western New York? Right now it is very strong in Clarence, much stronger than CFMX-1.-gc)

TAKE CARE AND 73's

FRANK MERRILL - P.O. BOX 669 - MACOMB, ILLINOIS 61455

EQUIPMENT: Kenwood KR-4400 tuner. Channel Master Stereo Probe 9 antenna up 9' on mast, Alliance Rotor, no preamp

(Frank mentioned he received skip to CT on May 11, before he had his Kenwood-gc)

JUNE 1988

9 Es 2049-2159 WQIK 99.1/WSSP 104.1/WIRK 107.9/WJYD 107.7/WOVV 95.5 All FL, WLGA 95.9 GA, WSCI 89.3 SC logged on Marantz tuner at old apartment, as well as 4 incidental "new" catches.

17: Stereo Probe 9 is hooked up, and, afterwards, I start using this & Kenwood to expand my log from 177 heard. I found this Kenwood for \$25 on Saturday 6/4 at a garage sale in Casper, Wyoming! One of my best deals ever, as I find it to work very well in many instances!

18 tr/GW This starts a "Mad Marathon" DX session (skipping only 5 1/2 hours in late morning/noon). New states NE (#27, WDW 94.1), (#28, KFKF 94.1), MN (#29, KXLP 93.1) Almost everything logged is, I later find, usually available by daily troposcatter, except for KXLP, WDW, KSTp 94.5, KRCC 106.9, and WIBA 101.5. Circle of logging roughly Chicago/Lafayette IN/Cape Girardeau/Springfield MO/Waterloo, otherwise. (I wonder what is possible at 25'7-gc)

Es 1539 WRMB 89.3 FL illegal ID by female
1540 WNGS 92.1 FL North Palm Bch Honda, Wings

Total new stations today: 120 makes it 297.

HAPPY HOLIDAYS!!

FRANK MERRILL's report - continued

JUNE 1993

19 GW/Tr KEEZ 99.1, KESY 104.5 NE, WSHW 99.7 IN, and plenty of closer stuff 33 new makes it 330.

19Es 1901 KTAK 93.9 WY "KTAK wx for the Wind River Basin"

1910 KZBQ 93.7 ID Good station ID STATE #30

1915 KTRZ 93.1 WY Bull Ristorante in Wiverton

2124 KPKY 94.9 ID 95 Alive, KPKY-FM, and tent KEZF 96.1, KLCE 97.3,

all 3 Rexburgs.

20 GW/Tr 21 new as I fill in my 100 & 200 mile stuff.

Es 1406 WMCU 89.7 FL end WMCU news

1819 KNAU 88.7 AZ ID, State #31

1838 KMGH 93.9 AZ local address.

1845 KWKY 94.5 NM 95 Quick, after song

1848 KVNA 97.5 AZ calls

1854 KSMK 95.9 AZ "Kiss FM Cottonwood's #1..."

2100-2328 dynamite opening to Sask./Alta, 11 new include CKIT 104.9, CBKM 98.5, CBKF5 96.9, CISM 103.9, CFMM 99.1, was a "local" for hous! 38 new today.

21 Tr 30 new today include KZLE 93.1 AR (0802, State #33), KRVI 89.7 IA (0939, 120 mi, 130 w), WEBQ 99.9 IL, WLBC 104.1 IN. Others fairly routine.

22 GW 9 more logged in dead conditions.

Es 1831-1842 10 new from WY/UT, logged MUF 104.5 WY- includes KRCL 90.9 UT (State #34, 1843)

23 Tr/GW 51 ne loss today, finally a good opening to Chicago, also much SW MI, Indianapolis, etc. These areas hadn't been available on previous GW/tropo scatter.

0902 WFCJ 93.7 OH calls, etc. state #35

0953-1130 Omaha, Sioux City, KTGL 92.9, etc., many new including KELO 92.5 SD (State #36, 1018)

Es 2106 XHAAA 93.1 TA relos

2138 KSTE 93.9 TX "94 FM, KSTE"

2159 XHPE 97.1 CU "Con 4000 watos potencia, esta es XHPE...."

2200 XHMP 95.5 CU legal ID (heard Torreón) "95.5 ESTEREO"

2208 Mexicans? 98.9, 99.9 (Es posible-sc)

2212 KTDK 96.3 TX gave calls in Spanish, taking phone dedications.

2226 XHSRO 92.5 NL "Estereo Rey" during song

2231 XHXL 91.7 NL "Sonido Noventa" & ment Monterrey

"TOTAL NOW 474"

24 Tr 6 new, including KZRO 104.3 AR

25 Tr 13 new, including 3 KS and WHLA 90.3 WI.

0820 WESZ 100.1 IL Lincoln ad; EZ 100 the Quality stn

0833 KLRK 100.1 MO Regional news talks about construction on U.S.

54 in Mexico. Another "K-100!"

"Am 4 miles from local WKAI but was able to find a null this morning - YAY!"

25 Es 2016 KKQB 93.3 NM "#1 Music Station under the sun, KKQB"

Lasted only 4 or 5 minutes but MUF at least 98.7

2047 KNFM 92.3 TX "KNFM 92.3 & time check"

26 Tr 0108-0530 Little opening to Grand Island NE nets me 11 new, including KJJY 106.3 IA "Just in time" (see 6/29)

26 Es 1137-1517 Massive opening to S.Texas and Mexico. I virtually

"cleaned out" El Paso/Ciudad Juarez today; also much San Antonio/Corpus Christi/other S.TX. MUF usually above 105. Some Phoenix stuff around 1400.

Noted KKHD 98.3 TX in Spanish (special Sunday program? Not normal format),

also KJAV 104.9 TX giving their address ("McAllen") in Spanish. Mystery

los KRGE 106.3 1217, am thinking this is Mercedes TX, anybody know?

27 Didn't DX today; had a friend visit from Seattle! IT LOOKS LIKE I MISSED A REAL DOOZY, HUH? (It was the best opening of the season for many people, including me-sc)

28 Tr 1932 KKKQ 98.5 IA "Have pretty much run out of routine stuff yet to be logged"

28 Es 1300 KAJA 97.3 TX break and K-Jay 97

1330 KALP 92.7 TX Marfa ad; a real treat as I visited KALP in

May, Alpine's a NICE town!

2035-2100 8 new Salt Lake area, MUF 104.3

REPORT TO NORTHERN FM DX TODAY!!!

FRANK MERRILL's report - continued

JUNE 1988

29 GW 2048 KJJY 92.5 IA TESTING on new freq! (also see 6/25)
 Es 2151 WLNG 92.1 NY great "time warp" jingle and approach! Oldies.
 Was my most wanted logging, period! would not mind if they were a local...
 2152-2224 more new including WWSH-97.9 PA (2200, State #37) and
 NYC/CT/MA.
 2229 WRSU 88.7 NJ legal ID, banter
 30 GW 2 new Indianas....
 So, from 6/18 to 6/30, logged total increases from 177 to 570

JULY 1988

9 Es 1718-1721 18 new: 10 from MA, 2 NH, 4 NY (including WBUF 92.9 1808)
 (Interesting! while you were DXing WBUF Buffalo (15 mi. from me), I was
 DXing KDHX 88.1 St.Louis. So there was definitely some short skip going
 on.-sc), 1 NS, 1 ME, IDed MUF only 96.1 MA.
 11 Es 1700-2011 32 new FL, MUF 107.9. WHLG/WMMY 102.3 fighting for hours!
 12 Tr 1033 WINN 106.1 IN calls
 13 Tr 2057 KRPS 89.9 KS legal ID "for the Woodlands"?!
 14 Tr 0532-0730 decent Tr to Twin Cities/ S. Minn, 10 new MN + WIZM 99.3
 WI, KESD 88.3 SD.
 0536 KEEY 102.1 MN
 0551 KEEZ 99.1 MN
 "Nothing logged in between these 2, so it really pissed me off then
 I found KEEZ was a relog!"
 0640 KMSU 89.7 MN 83 there before 6 in the morning? ICK!
 17 Tr MONSTER openings to Upper Peninsula, WI, IA. "Many Class A's almost
 like Es with stations taking turns." 0238-1233, 48 new loggings.
 0330 WVCX 98.9 WI 9, ID, "strong local" WPXR absolutely wiped off
 the face of the earth.
 0359 WILV 94.9 WI legal ID; similarly I had big trouble hearing
 local WAAG.
 0439 WIXX 101.1 WI calls, weather.
 0448 WAXX 104.5 WI calls, IN PASSING "no loggings in between, I
 guess this makes up for KEEY/KEEZ on the 15th, hi.
 0449 WKFX 104.9 WI "WKFX-FM, WNFL-AM" ID
 0503 WRUP 103.3 MI temperatures and calls, "blasting in, expected
 WFHR, which I still need"
 0737 CJDQ 104.3 ON Talking about listening to "Sunday Mornings" on
 CBC (yeah, the competition!) At 570 miles, farthest log of opening.
 0905 WHHI 91.3 WI Parallel to WHLA 90.3 which had just IDed.
 "First logging atop WIUM"
 104.9 was the most "fun" with logs on WKFX, WTKM, KJJG, KWGG, tentative KRFD.
 1058 KTLB 105.5 IA calls, over much closer KILJ same direction.
 Many nice class A's in 250-300 mile range this morning thru semilocals
 40-50 miles away, etc! I think the advantages of a low antenna are clearly
 evident this morning!
 1143 KCPI 95.3 MN local (Albert Lea) stuff, nice surprise on VERY
 crowded frequency
 19 Tr 0559 K212AI 90.3 IL Springfield (85mi) WIBI ID, actually mentions
 this translator!
 0838 WDCB 90.9 IL
 2122 Es: WRXK 96.1 FL relog
 20 Tr 0302-1223 15 new, mostly WI/north IL Class A's
 0326 ALRA 88.1 IL ANTI-JINGLE (?-sc) 180 mi/250 W
 22 Es 1123 WSDR 95.3, WYNF 94.9 FL.
 1143 KOMP 92.3 NV Vegas ads, decent talk. (STATE #38)
 25 Es 1828-1852 many NS/NB logs
 1858 WHCF 88.5 ME Bangor address, 9, calls
 2036 WXRK 92.3 NY 2 NY/NJ ads, 92-3 K Rock
 2044 WEBE 107.9 CT "WEBE, Weebee 108" (WHY?)
 2100 WNYU 89.1 NY legal ID; relog WFUV 90.7
 27 Es 1112 KLYT 88.5 (aren't they on 88.3?-sc), KKSS 97.3 NM
 Total at end of July is 709 logged.

More of Frank's exciting DX to come!...

FRANK MERRILL's report - continued

AUGUST 1988

15 Tr 0107-0750 Dandy opening to NE/SD/IA region nets 15 new. Best KPAT 97.3/KTFC 103.3/KQHU 104.1 topping Des Moines

16 Tr 0200-0816 7 new, only selected stations coming in from these places: CKLW 93.9 ON; WKAR 90.5 MI; WDFM 98.1; and WHFD 95.9 OH (but still no Toledo!)

0200 WVXX 103.1 IL calls "WJEQ still off nightly, I've gotta log 'em while I can"

23 Tr 0847-1330 Beaut of an opening to Kansas. 30 new are all MO/KS including scade of Wichita/Salina/Great Bend.

SEPTEMBER 1988

22 Tr 0058 WPTW 95.7 OH AM/FM calls. All night now? (I've heard them come in via TrS after midnight quite a few times-9c)

0108 WHOK 95.5 OH Semi-ID; 1:08

0142 WVEZ 100.7 IN Elkhart, calls, LONG sought!

26 Tr 0624-0800 KMOI 104.1 OK calls, STATE #39 also new OK's on 96.1, 92.5, 90.5, KZEN 100.3 NE

2215-0000 Tulsa area in very well, many new!

2223 KZOU 98.5 AR Calls heard while trying to get KUSD (which I heard later)

2245 KBEZ 92.9 OK b.calls, "right over semi-local KGRC same direction, I'm sure the low antenna helped this one!"

27 Tr 0000 KYPG 101.1 KS Girard-Pittsburg, ID, call change from Atlas! 370 miles; my first Docket 80-90 3 Kw lossing

0032 WHYN 106.9 TN Semi-ID (State #40) (Tennessee? State 40?)

0040-0440 Tr distance peaks as I log 7 stations from Dallas-Ft. Worth are (640 mi.) (nice opening!-9c) Also nearly "clean out" OK City now to 0730.

0100 KEZA 107.9 AR b. legal ID, "Fay.-Ft. Smith"

0731 KLaw 101.5 OK Calls, 94 des tomorrow, K-Law

0800 WHOC 90.3 IL legal ID "had a tentative on this in July.

Tried for it many times. 37 lossings on 9/26-27 brings me up to 801 heard. I guess I should concentrate on 90.3 before they decide to go 50,000 Watts or something. I believe this is the lowest powered NPR station, no?"

DAVID E. BRUMFIELD - 1618 CHESTER BLVD. - RICHMOND, INDIANA 47374

EQUIPMENT: Akai AT-VO4 Tuner, GE Superadio w/whip, rotor at 30'

JUNE 1988

4 Es

1513 KBNJt 91.9 TX Chorus Christi SS

1600 KBNL 89.9 TX Laredo

6 Es

1200 CBHA 90.5 NS Halifax FF (they are English CBC, not French-9c)

1200 CBAF19 92.3 NS Halifax FF

1300 CBAet 90.5 NB Campbelltown

1302 CHOIt 98.1 PQ Quebec

1310 CJMF 93.3 PQ Quebec

1312 CJDmt 92.1 PQ Drummondville FF

1315 CIKI 98.7 PQ Rimouski

2000 WERS 89.9 MA Boston s w/GE Superadio

2022 KBAT 93.3 TX Midland w/GE Superadio

2119 KLSR 105.3 TX Memphis

9 Es

2020 WAYT 88.7 FL Fort Myers-Naples g (calls are WAYJ-9c)

2039 WFLZ 93.3 FL Tampa-St. Pete-Clearwater, r

2044 WOVV 95.5 FL Fort Pierce

13 Es

0937 KBNL 89.9 TX Laredo SS

19 Es

0917 KNFM 92.3 TX Midland

0920 KQIP 96.9 TX Odessa

0943 WGTR 97.3 FL Miami

1930 CBHA 90.5 NS Halifax wx

1930 CBHY 92.1 NS Yarmouth // CBHA

1949 KURot 92.1 SD Huron "U-Rock-92", MN Twins Tickets



THE UNIVERSITY OF WISCONSIN-MILWAUKEE

WUWM FM 90

P.O. BOX 413
MILWAUKEE, WISCONSIN 53201

DAVE BRUMFIELD's report - continued

JUNE 1988 cont.23 Es

2050 XHJD 98.9 NL Monterrey w/GE Superadio

2114 XHSR 97.3 NL Monterrey w/GE Superadio

25 Es

1927 KRAZ 96.9 NM Farmington, K

26 Es

1111 KBNL 89.9 TX Laredo SS

1119 KRWG 90.7 NM Las Cruces

1238 unID 89.1

28 Es

1035 KVIC 95.1 TX Victoria

JULY 198811 Es: FL noted20 Tr

0311 WZPR 100.3 PA Meadville-Erie K

0319 WMMS 100.7 OH Cleveland r

0328 WCKK 103.7 PA Erie, r

0400 WCRF 103.3 OH Cleveland, g, "K-104" (Do you mean WCKK, K104?-gc)

0417 WNIR 100.1 OH Kent-Akron

22 Es

1012 WXCrt 92.5 FL Safety Hbr. "Clearwater"

1016 WAYJ 88.7 FL Fort Myers "Way FM"

31 Tr

2352 CJRT 91.1 ON Toronto

AUGUST 19881 Tr

0000 CILQ 107.1 ON Toronto "Q-107"

0025 WMJO 102.5 NY Buffalo, "Magic 102"

0030 CKLH 102.9 ON Hamilton

0044 CIDC 103.5 ON Orangeville "DC-103"

0055 CFCA 105.3 ON Kitchener

0057 WBVRT 107.7 NY Weathersfield-Buffalo ADR (likely them-gc)

0059 CFMX 103.1 ON Cobourg c

0205 WJLB 97.9 MI Detroit

0227 CKSY 95.1 ON Chatham, K, "Cozy 95" (They're usually b/m-gc)

0252 WIDG 102.5 MI Bay City / Saginaw / Midland / Flint o/WMDH

0312 CKO2 99.1 ON Toronto, o/WHIO

0315 WFMK 99.1 MI East Lansing o/WHIO

23 Es

1850 KVMV 96.9 TX McAllen

1855 KZFMt 95.5 TX Corpus Christi

1900 KSTE 93.9 TX Corpus Christi

1902 KTFA 92.1 TX Groves-PtArthur

SEPTEMBER 198813 Tr

1757 WDOU 92.1 MI Dowagiac s o/WBST

22 Tr

0150 WIVK 107.7 TN Knoxville

0202 WHIZ 102.5 OH Zanesville

0259 CJBX 92.7 ON London "BX93"

25 Tr

0157 WMEV 93.9 VA Marion

1105 KTJJ 98.5 MO Farmington

1118 KZRD 104.3 AR Marshall

1200 WKXF 105.7 KY (?-gc)-St. Mathews-Shelbyville-La Grange

(is this a new station?-gc)

STATION NEWS: WBVR-FM 107.7 Weathersfield/Buffalo has applied for the calls WBMW-FM. Those calls were recently let go when 106.7 Manassas VA/Washington changed to WJFK. Don't know what format they will be; maybe new age? WAIR 92.5 Atlanta, Michigan is on air with adult contemporary via satellite.



HAPPY HOLIDAYS!!

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

EQUIPMENT: Pioneer TX9100 tuner, roof mounted 5-element radio shack antenna 20' AGL, Archerrotor and 75 ohm leadin used.

NOTE: Although my mailing address is Williamsville, my house is in Clarence, New York.

OCTOBER 198823 Trs

2055 WRQX 107.3 DC Washington, r, Q-107 (prev via Aurora) 289

2108 WWFM 89.1 NJ Trenton, Jazz promo, verie received 277

29 Trs

2026 WIOV 105.1 PA Ephrata, K, WIOV 105-FM, o/CKQM & WOIV 230

NOVEMBER 19883 Tr

1600 WAIR 92.5 MI Atlanta, rm, on same satellite feed as local WBTF

101.7 Attica, NY. Slogan used is "92.5 W-Air". legal

ID: From Traverse City to Mackinaw City, Rogers City,

to Tawas City, WAIR Atlanta is Northern Michigan's

Superstation, 92-5 FM". CBS news at 1600

1605 WCML 91.7, WQLZ 105.1, and WKPK 106.7 northern Mich. noted 300

5 TrsLOCAL WBFO 88.7 BUFFALO OFF AIR DUE TO HIGH WINDS

1330 via GW: WRUR & WYSU 88.5, CIRV & CJOM 88.7, WBSU & WCVF 88.9

1350 WQSU 88.9 PA Selinsgrove, strong with local HS football game 170

1400 WAMU 88.5 DC Washington, folk music, ID, also heard on car radio! 289

1554 WROW 95.5 NY Albany, b, AM/FM ID, news update 239

While September was excellent for tropes, October was horrible! For about a week or so, conditions were so bad it seemed like my equipment was broken. Things have picked up in November, but not very much. WAIR (92.5 Atlanta) is a brand new station on the air. Also, on Nov. 3 a commercial AOR station was coming in due west on 93.3; maybe WQFM Milwaukee was in. Hopefully Thanksgiving will bring a tropes-feast for the third year in a row! Is anyone interested in trading TV Guides? I will send a Buffalo Metro edition for DXers local editions. Happy Holidays!

* Logos were supplied by: Joe Fela, Larry Fuss, and Bill Kretschmer (93Q)
Thanks!

BANDSCAN

MARK JAMES - 419 W. MICHIGAN - MARQUETTE, MICHIGAN 49855

LOCATION: MARQUETTE, MICHIGAN

SCALE of 1 to 5 used

90.1 WNMU	MI	Marquette "Public Radio 90"	5
91.1 WGGL	MI	Houghton	2
93.1 WIMK	MI	Iron Mountain "K93"	4
93.9 WDOH	WI	Sturgeon Bay	1
95.7 WHWL	MI	Marquette	5
97.1 WGLQ	MI	Escanaba "Magic 97"	5
97.7 WHUH	MI	Houghton "Great 98"	(?-sc)
98.3 WQXD	MI	Munising MONO	4
101.5 WJNR	MI	Iron Mountain	2
102.3 WNMU		Translator (W272AG Marquette-sc)	3
103.3 WRUP	MI	Marquette "UP 103"	5
104.7 WYKX	MI	Escanaba "Kicks Country"	5
107.5 WMQT	MI	Marquette "Q-107"	5

Translator W288AH 105.5 (Marquette translator of WMQT-sc) has been down for months. Received station with ID of WOJB, Around 89? With Native American programming. Part of NPR, and heard Alaska feed via this station (Mark, WOJB is 88.9 in Hayward, Wisconsin-sc).

WELCOME

to new reporter Bill Nienajadly, from Clifton, New Jersey!.....

BILL NIENAJADLY - 98 HIGHLAND AVENUE - CLIFTON, NEW JERSEY 07011

First, let's let Bill introduce himself:

"I've been DXing over 20 years, starting on AM; fall of 1975 I started on FM. 96.9 WFPG Atlantic City (130 mi) was my first DX via tropo. My first E-skip was Channel 3 Quad Cities or Iowa in 1978 (There's no channel 3 in Quad Cities. Do you mean KIMT Mason City, Iowa?-gc). My first DX skip with a positive ID was 1981 on a FM CONVERTER: 95.7 WCRC IL with most of NYC FMs unreadable. Later, in summer 1983 "I-95" WINZ 94.9 (Miami Beach, Fla., now WZTA-gc) came in for 2 hours just there, practically no fading!! Best catch was in Memorial Day 1986 in Sullivan Cnty,NJ. We picked up MS.GA,Ala,Fla for over 1 hour, around 10:30 in the morning! This past summer I picked up Channel 3 WSIL-IL E-skip once (it was likely E-skip every time. E skip ranges usually from 500-1500 miles, while tropo usually stays under 500 miles.-gc), and WLNE-6 on almost every other night. KFKF 94.1, KWOA 95.1, and KLDZ 95.1 NE also came in this year. My equipment is a GE Superradio II portable with a Radio Shack "110 mile" directional antenna 40 feet off the ground with hand rotated only (Is that the one with 6 elements; that's the one I use; it's a pretty good antenna-gc). The GE Radio is far better than some other portable's; at least with this you can cancel the AFC switch, selectivity isn't terrific but being 12 miles west of NYC doesn't help either. I can hear what sounds like "whistles" on adj freqs at certain times. WYSP 94.1 comes in several times daily w/airplane bounce & groundwave. I live near 3 major airports and 1 smaller one. If anyone says airplane bounce isn't a form of propagation then they should come here around 4:30-6:30 in the PM. (Airplane scatter can definitely enhance reception. I've heard your local WFME 94.7, along with many others at 200+ miles via airplanes-gc). Via airplane, you can pickup ch22,28 Scranton ch8 CT, ch10 Philly, WAMC 90.3, WZZD 95.1, WAEB 104.1, and WLEV 96.1, but only for a few seconds. I guess living near NYC has mixed blessings. My best tropo of all time were WNRN 94.9 VA, WAAF 107.3, WLNG MontaukNY, and more recently WQRC 99.9 MA heard in Ft.Lee NJ and several times at my Clifton 12 w of NYC location; over semilocal WEZN Bridgeport. During spring&summer months Atlantic City is strong often, up to 4-10 hrs a night. WAYV is probably the strongest of the AC stations & they told me they get reports from NYC,LI,SoCT, & Mass. WKHI 99.9 MD comes in 4-5 times a year; they get calls from Brooklyn, LI, and Mass. Well I hope I helped you out and I would like to be a new reporter, I'll report any DX conditions I can & Thanx. (Thank you for reporting, Bill. Hope you report often!-gc)

(Bill now submits a bandscan of his Clifton,NJ location...-gc)

BANDSCAN

EQUIPMENT:

GE Portable Superradio II
Radio Shack "110 mile" FM only

W=weak

T=tropo

S=semilocal

87.75 WPVI-6 audio
88.3 WBGD NJ Newark
88.7 WRHU NY Hempstead W
88.9 WSiA NY Stated Islnd W
89.1 WNYU NY New York
89.5 WSOU NJ S.Orange
89.9 WKCR NY New York
90.1 WRTI PA Philadelphia T
90.3 WBAU NY Garden City
WHPC NY Garden City
WHCR NY New York W
WAMC NY Albany T
90.5 WJSU NJ Morristown W
90.7 WFUV NY New York
91.1 WFMU NJ E.Orange

91.5 WNYE NY New York
91.9 WNTI NJ Hackettstwn W
Pirate Radio WFUN/WCHE!
92.1 WLNG NY Montauk T
92.3 WXRK NY New York
92.7 WDRE NY Garder City S
93.1 WPAT NJ Paterson
93.3 WMMR PA Philadelphia T*
93.5 WRTN NY New Rochelle S
93.7 WSTW once or twice a year
93.9 WNYC NY New York
94.1 WYSP PA Philadelphia S
94.3 WJLK NJ Asbury Park
WCTO NY Brentwood
94.5 WCHR NJ Trenton W
when 94.7 is off
94.7 WFME NJ Newark
never heard 94.9
95.1 WRKI CT Brookfield S
WAYV NJ Atlantic City T
95.5 WWPR NY New York
95.9 WADB NJ Pt. Pleasant S
WGMX CT Norwalk
96.1 WLEV PA Easton W
when 96.3 is off

BILL NIENAJADLY'S bandscan - continued

96.3 WQXR NY New York
 96.5 WWDB PA Philadelphia W
 WTIC CT Hartford T
 96.7 WJAZ CT Stamford S
 96.9 WFPJ NJ Atlantic City T
 97.1 WQHT NY New York
 97.5 WALK NY Patchogue S
 WPST NJ Trenton
 97.9 WEVD NY New York
 98.3 WKJY NY Hempstead S
 WMGQ NJ New Brunswick
 98.7 WRKS NY New York
 99.1 WAWZ NJ Zarepath S
 99.5 WBAI NY New York
 99.9 WEZN CT Bridgeport S
 100.1 WJRZ NJ Manahawkin T
 100.3 WHTZ NJ Newark
 100.7 WHUD NY Peekskill S
 101.1 WCBS NY New York
 101.3 WKCI CT Hamden T
 101.5 WMSC NJ Montclair
 WKXW NJ Trenton S
 101.9 WQCD NY New York

102.3 WSUS NJ Franklin S
 WBAB NY Babylon S
 102.7 WNEW NY New York
 102.9 WDRC CT Hartford T
 WMGK PA Philadelphia T
 103.1 W276AQ NJ Fort Lee S
 WGNV NY Newburgh
 103.3 WPRB NJ Princeton T
 103.5 WYNY NY New York
 103.9 WFAS NY White Plains S
 104.1 WAEB PA Allentown T
 104.3 WNCN NY New York
 104.7 WSPK NY Poughkeepsie S
 105.1 WNSR NY New York
 105.5 WDHA NJ Dover S
 105.9 WNNK NJ Newark
 106.1 WBLI NY Patchogue T
 106.3 WVIP NY Mount Kisco S
 106.7 WLTW NY New York
 107.1 WZFM NY Briarcliff Manor S
 WMJY NJ Long Branch
 107.5 WBLS NY New York
 107.9 WEBE CT Westport S

COMMENTS:

Location is 12 miles west of NYC.

More stations have been heard than this listing, but this is a very local bandscan by any standard. This area stinks for DX; one of the lowest elevations in the city!!!

BANDSCAN

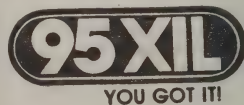
GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

LOCATION: Beckley, West Virginia

88.5 WVPN WV Charleston
 88.9 WVPW WV Buckhannon
 89.9 WVWV WV Huntington
 91.7 WVPB WV Beckley
 92.3 WXLK VA Roanoke
 92.7 WPMW WV Mullens
 92.9 WCWV WV Summersville
 93.7 WAMX KY Ashland (now WRVC)
 94.1 WVMA WV Oak Hill
 95.1 WXIL WV Parkersburg
 96.1 WVNS WV Charleston
 96.7 WRRP WV Rainelle
 97.1 WCKA WV Sutton
 97.3 WKBC NC N. Wilkesboro
 97.5 WQBE WV Charleston
 98.9 WSPJ KY Paintsville
 99.1 WSLQ VA Roanoke
 99.5 WBBW WV Beckley
 99.9 WVAF WV Charleston
 100.5 WKEE WV Huntington
 100.9 WKMY WV Princeton
 101.1 WSGS KY Hazard
 101.5 WYPC OH Gallipolis
 101.9 WVOW WV Logan
 102.3 WMTD WV Hinton
 102.7 WWSR WV Charleston
 103.3 WTCR WV Huntington
 103.7 WCIR WV Beckley
 104.1 WPRY OH Portsmouth
 104.5 WHAJ WV Bluefield
 105.1 WKLC WV St. Albans
 105.9 WTNJ WV Mount Hope
 106.3 WBDY VA Bluefield
 106.5 unid r: WRDX-NC?
 107.3 WVCN WV Miami (now WLZT)
 107.9 WEMM WV Huntington

LOCATION #2: Clarksburg, West Virginia

88.9 WVPW WV Buckhannon
 90.3 WDEW WV Elkins
 90.9 WVPW WV Morgantown
 92.1 WXIE MD Oakland
 92.7 WVHF WV Clarksburg
 93.5 WBTO WV Buckhannon
 93.7 WBZZ PA Pittsburgh
 94.1 WVMA WV Oak Hill
 95.1 WXIL WV Parkersburg
 95.3 WELK WV Elkins
 95.9 WTBZ WV Grafton
 96.7 WKMM WV Kingwood
 97.1 WCKA WV Sutton
 97.5 WQBE WV Charleston
 97.9 WFGM WV Fairmont
 99.3 WVHT WV Elkins
 100.1 WCLG WV Morgantown
 100.9 WMOC WV Westover
 101.9 WVAQ WV Morgantown
 102.3 WSSN WV Weston
 102.5 WDEW PA Pittsburgh
 104.3 WJSY VA Harrisonburg
 104.9 WPDV WV Clarksburg
 105.3 WFRB MD Frostburg
 105.7 unid-WQSR??
 106.5 WKKW WV Clarksburg
 107.5 WZMM WV Wheeling



73s
 Shy

SOUTHERN · FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

December 1988 **MERRY CHRISTMAS**

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Also DC.

THIS MONTH A LOOK AT AUSTRALIAN TROP

In recent weeks there has been no reported instances of FM DX received from the U. S. FM South. To find some signs of FM DX we can turn to Australia. Please report your FM DX soon.

Geoff Wolfe, 40 Charlton St. Mt. Waverley, VIC, Australia 3149

I can't get much FM DX where I live here. Where I used to live in Burwood was an excellent location for both Es and trop. By the way, most FM DX(Es) will be done from Bombala N. SW. 243 miles east of here (lat. 36 deg. 55 mins., 149 deg. 16 min. longitude. Distances will be hard to work out. I have a list from Melbourne but not from Bombala. You wouldn't swap stickers or tapes by any chance? 73's.

10/13 tr

5ABC Mt. Gambier, S. A. stereo 7:20 AM(AEST) 226 mi.

3ABC Mt. Dundas, VIC stereo " 168

At last I actually got some decent FM DX! An excellent tropo opening into Tasmania brought some new stations:

10/19 tr

93.3 7ABC Launceston stereo 120 kw 278

104.1 7NT Savage River mono 500 w. 257

106.3 7NT Rosebury mono 500 w. 279

107.1 7XS Rosebury mono 500 w. 279

104.1 5ABC Mt. Gambier, S. A. 50 kw 226

Waiting for Es to start (which then shall send big logs).

Lucky it's the quiet time of the year for USA, etc. (If you don't mind, construct your reports like the U. S. DXers do theirs. Thanks. DB)



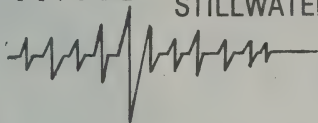
Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

9/27 gw	1200 KCEV	88.3 KS Wichita, g, ID	115	11/2 gw	2100 KBVV	91.1 OK Enid, g, ID	55
(Date corrected from last month.)	new			new to the air.			

Recently, local KVRO was daring enough to call someone at 1 am to ask the winning amount in a give away contest. Luckily, the person was still up but lost \$99.45. 73.

KVRO

FM 105½
STILLWATER'S RADIO STATION



ABC
Contemporary
Radio Network

★ Contests
★ ABC News

★ Local News with Scott Emigh
★ Tons of Fun ★ Hot Hits 24 Hours A Day

LISTEN AND WIN ON THE KVRO
43rd ANNIVERSARY SWEEPSTAKES!

Call Stillwater's Hottest FM
CONTEST LINE: 377-1055

RADIO STATION—FM



Years ago in a call letter naming contest, "KSPI" was the winning entry. The letters stand for "Keep Stillwater people informed." KSPI was one of the first Oklahoma stations to go FM stereo. (Good luck in the coming new year 1989, the Stillwater Centennial, in tuning in Stillwater.)

PHOTO-NEWS
P. O. BOX 155
CLARENCE, NY
14031-0155
U.S.A.

PHOTO-NEWS

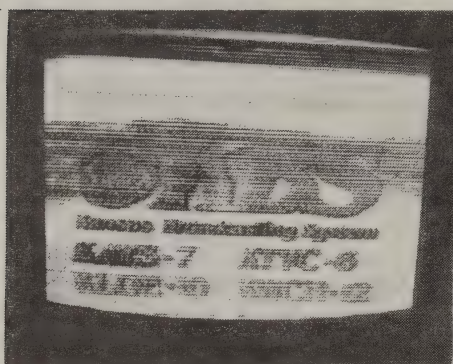
NOTE

Photos submitted to:
PHOTO-NEWS become
its property and
will not be returned.

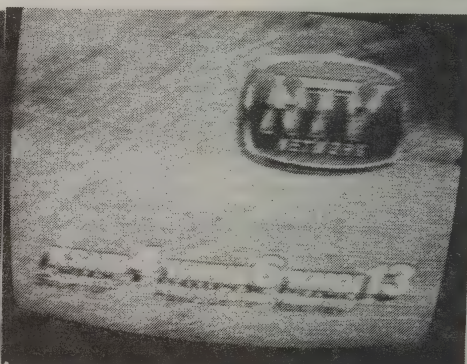
DECEMBER

1988

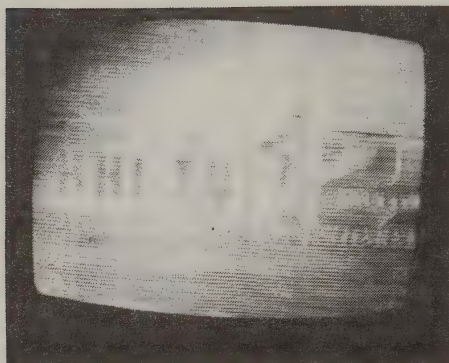
....continued from November's column we have more west coast E-skip fotos from Randy Miltier - San Jose, California (N6HMD) Randy's DX shack has a 1986 23" Mitsubishi and a 12" b&w Zenith televisions, Channel Master 1160 VHF/UHF antenna turned by a Channel Master rotor. Antenna height, unknown.



KTVC-6
Ensign, KS
1182 mile E-skip
seen June 10, 1988
at 0758 PTime



KWB-6
Hayes Center, NB
1144 mile E-skip
seen June 10, 1988
at 0900 PTime

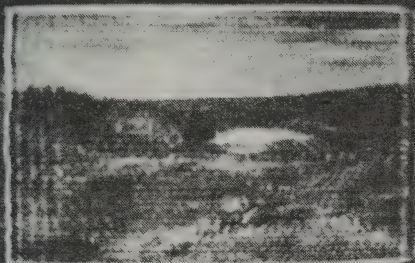


XHI-2
Ciudad Obregon, SON
1075 mile E-skip
seen June 10, 1988
at 1557 PTime



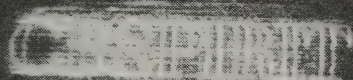
KACB-3
San Angelo, TX
1283 mile E-skip
seen June 25, 1988
at 1730 PTime
[KACB-3 is a sister station of KRBC-9]

Our second reporter is Greg Coniglio - Williamsville, NY. Greg TV DXes with a 15" Emerson hooked to a 10 element Jerrold VHF antenna and for UHF, a 4 bay bowtie with channel Master 0071C preamp at 23' and 30' respectively.



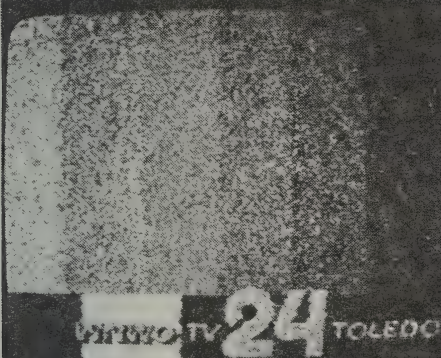
THE Television
News Station

CBHT-3
Hailfax, NS
758 mile E-skip
June 25, 1988



KELO-TV-11 SPOKE FALLS
KDLO-TV-3 GARDEN CITY
KPLO-TV-6 SIOUX FALLS
CHANNEL 15 RAPID CITY

KDLO-3
Garden City, SD
948 mile E-skip
June 25, 1988



WNMO-TV 24 TOLEDO

WNMO-24
Toledo, Ohio
254 mile tropo
seen June 25, 1988

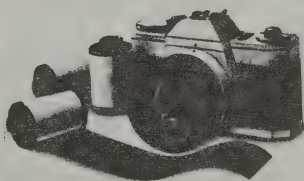


PHOTO-NEWS final.

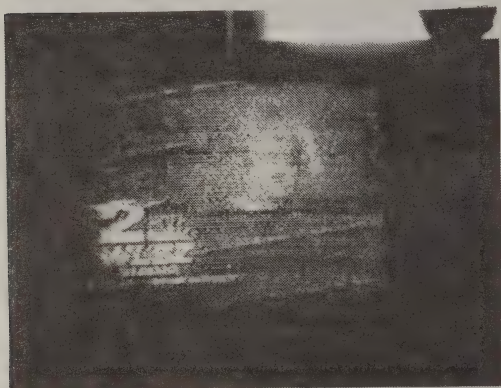
We end Greg's foto file for this month with....



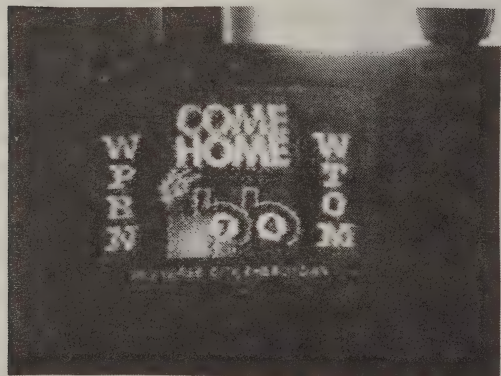
WKBD-50
Detroit, MI
236 mile tropo
seen June 25, 1988

More from Greg in January's column.

The third and final reporter is Matt Sittel - NCSU, Raleigh, NC with DX from Kingsport, TN



WLBY-2
Bangor, ME
919 mile E-skip
seen August 1, 1987
at 0951 ESTime



WTOM-4
Cheboygan, MI
643 mile E-skip
seen August 1, 1987
at 1059 ESTime

Matt, I apologize if the time and date
are wrong on your photos. I seem to
have misplaced the information.

**Holiday
Greetings**

DAVE

TIPS FOR F2 TV DX'ING

by Rich Turcsany

I've been closely following all of the recent F2 propagation activity in the last few weeks, and I have been noticing how high the MUF's have been during these days (39 MHz at times--it's great to be hearing the Los Angeles County Police Dept. for the first time in almost a decade!). The way things look right now, it should be just a matter of days before F2 skip from European channel 2 (48.25 MHz) will be possible once again. Because of this, I wanted to share a few things that might be interesting to the WTFDA membership.

To begin with I have recently come across a New York City firm that is a supplier of foreign-standard TV receivers and VCRs. The company is APPLE LABS (74-18 37th Avenue, Jackson Heights, NY 11372), and they recently sent me some information on the types of sets and VCRs available. Among the sets available are:

- 1) A 22" (German-made) Grundig receiver which is cable-compatible, offers remote control, is teletext adaptable, and has an interesting feature--an automatic standby circuit which is triggered a few minutes after a station's transmitter shuts down and goes to "snow" (\$600 + shipping).
- 2) A 20" (Dutch-made) Philips receiver that also offers remote control, automatic/manual search tuning, and a color tuning bar display (\$550 + shipping).

Both sets have voltage synthesized tuning, and are capable of receiving PAL Systems B, D and K; NTSC System M; SECAM Systems B, D and K; and PAL System I. They can also operate on our own North American electrical power systems.

Apple also offers two VCRs. One is the Hitachi VT-260 EM CAW (\$750 + shipping) which has three-speed recording (VHS/SP, LP, EP mode) and can also receive the systems mentioned above. Unfortunately, this VCR can only receive American UHF-TV up to channel 78 (due to cellular radio). The exact same VCR is also offered by a firm called Instant Replay (2951 S. Bayshore Drive, Miami, FL), but it calls the VCR the "Image Translator." Apple's other VCR is Akai's VS-X9 EGN (\$650 + shipping), which is only a two-speed VHS VCR (SP/SLP), but can also tune in Japanese channels 1 - 3 (90-105 MHz) as well as those listed above. It also receives American UHF chs 14 - 83. However, unlike most VCR's, this unit puts a signal out on UHF channel 34, not VHF channel 3 or 4. Both VCR's have the capability to play tapes back in the NTSC, PAL, SECAM and MESECAM color modes, but you will need a foreign-standard TV or monitor to view the color.

Another set that still may be available is the one that I used for F2 TV DX in the last sunspot cycle ten years ago--the Unisonic 2" Micro TV. This set is capable of receiving 525-line NTSC System M broadcasts, as well as 625-line System B (switch position "EC") and 625-line System I (switch position "UK"). The set is a clone of one that was originally manufactured by JVC. It still might be available in some major city camera/electronic shops, but at times, I have even come across it as an item sold by the Home Shopping Club!

A cable-ready TV set might also be good for F2 TV DXing on European Channel 2 and Soviet Bloc Channel 1. Unfortunately, most cable-compatible tuners only cover the "midband", (108-175 MHz) and "superband" (215-300 MHz), but some of the Zenith TVs with 178-channel capability can receive cable channels "0" and "1" when the frequency switch is in the "HRC" mode, and those channels are located below U.S. Channel 2 (55.25 MHz). DXers should try connecting a scanner antenna to the cable jack on the back of the Zenith sets to see if DX can be possible.

Also, most cable-ready sets can receive 144-148 MHz (Channels D - F or cable 17 - 19). Some DXers from the last sunspot cycle may remember a company called HAMTRONICS (65 Moul Road, Hilton NY 14468), which offered 45 MHz pramps for those trying to pick up the the BBC-TV broadcasts by amplifying the I.F. section of an American set. Well, they're still around (the BBC 405-line broadcasts are not), but they also offer a VHF receiving converter that will upconvert the 50-54 MHz (6-meter) ham radio band to 144-148 MHz. With this unit, it might be possible to receive 49.75 MHz Soviet video at around 143.75 MHz on a cable-ready TV!!

I hope this information may be of interest to everyone out there...in the meantime...I am hoping to videotape some color signals from Channel E2 and R1, and then reconvert them to NTSC for a compilation videotape that I may want to bring to a future convention...

ANARC UPDATE

WHY I WON'T BE ON THE ANARC EXECUTIVE BOARD IN 1989

The Executive Board of ANARC is made up of 6 members who are also club reps. Each member of the Executive Board is elected to a two year term. Each year, 3 Board members are up for re-election. This is my year and I have decided not to run again. I've been on the Board for 6 years and I feel there are others who are more qualified for the position. As soon as I get the results of the voting, I will have names of the Exec Board published. I will remain WFDCA' ANARC Rep, and I will continue to watch out for our interests.

ANARC has a new Publicity Coordinator. His name is Tom McElvy. Tom is a member of several clubs and has organized a SWL Conference. His job as Publicity Coordinator is to publicize the activities of ANARC and the member clubs and Tom is looking for ideas and help. If you have any ideas for Tom, contact him by writing to him at P.O. Box 9645, Norfolk VA 23505.

SPRACHMAN'S CORNER

New York Media Briefs

The switch of the New York City radio stations is taking place. The first was the exchange of frequencies between WYNY and WQHT. When WYNY was making the move they had moving men removing their furniture and equipment. This was heard on the air. WQHT is now HOT 97 and WYNY is now Country 103.3. The second switch was WFAN's move to 660kHz. It was sad to listen to WNBC's last day on the air. They had a retrospect of 62 years of NBC radio in New York. Then they interviewed as many of the past WNBC personalities as they could find. There were many famous names- Wolfman Jack, Bill Cullen, and Buffalo Bob to name a few. The end of an era in New York radio came with a countdown. WNBC went off the air for the last time. This was followed by a second of silence, then WFAN came on the air. On 1050kHz, WFAN's former frequency was a tape-"This is WUKQ 1050 New York City. If you are looking for Sportsradio WFAN, tune to 660 AM". The next day, WUKQ began its Spanish language programs. WUKQ is owned by the same company that operates WSKQ on 620kHz. Each station has separate programs and they cover the same area. The third switch of WEVD 97.9 to 1050 has not taken place yet.

I'm sure everyone has heard of the start up and close down (AGAIN) of Radio New York International. It broadcast from the aging freighter, the "Sara" for 2 and a half days before being ordered off the air. The Sara was anchored off of Long Beach NY, about 10 or 15 miles from here. The signal quality on 1620kHz was poor and nearly inaudible.

(The FCC is fighting to keep the station off the air. May be the FCC should save a lot of time and energy by granting RNI a temporary license to operate on 1620. The FCC will be giving out licences for the 1610 to 1700 band in a couple of years any way, so why not allow RNI to broadcast legally until then!)

Speaking about pirate radio stations, Long Island has several KPR's (Kids Playing Radio). I've heard 5 such stations so far. Four stations share 91.9MHz: WFPR from Floral Park, WTPK "Turnpike Radio" from Levittown, WROK from Plainview, and another station from Valley Stream. 103.1MHz is solely owned by WNHP in New Hyde Park. WTPK has a "Dance Party" Disco format, while the others play album rock. Each station on 91.9 has its own broadcasting schedule as not to interfere with another station. I've heard announcements on WFPR saying they will go off the air when WNHP went on the air. The technical and signal quality seems good. I wonder if all these stations are related. Could they be using the same transmitter? (I've heard WFPR and WNHP on the air at the same time.) Anyone out there with any info on these stations?

Please note, and discussion of illegal broadcasting activities in the VUD does not indicate approval of such activities by this writer, the column editors of the VUD, the Executive Board of WFDCA, or ANARC. These activities are mentioned because they are newsworthy, may be of interest to some, and may help with an un-ID or two.

A translator from New York's past reappeared for a few days in October. I caught a test pattern on Channel 53 with the call letters "W53AANYC" in the lower right corner. I saw it for a few days, but not since. I am unaware of the plans for W53AA. Originally, W53AA was one of several translators used to rebroadcast the New York City stations to the Bronx and Westchester during the construction of

the World Trade Center. Once the main station's transmitters were relocated to the World Trade Center, the translators were taken off the air.

VACATION SPECIAL

Joyce and I got away for a Two week drive to Tennessee and Kentucky at the end of October. The mini-TV and the SONY ICF 7600D went with us. I was well prepared for this trip. I made a list of the radio stations we would listen to along the way. And I made a list for each location that we were sleeping in to make bandscanning easier. The problem with bandscanning in a motel are many. In several locations, leakage from the cable was severe. In one motel, it interfered with my UHF reception! In one location, we were so close to one station's FM transmitter, that the station covered the whole FM band, allowing only the strongest stations to break through. In other areas, the FM locals appeared at several places on the FM band where they did not belong (and they were not translators!). With the worst possible conditions, I did get several very good Bandscans.

Before I tell some of the interesting things I found during my bandscans, I must thank Tom Bryant at WSM AM/FM in Nashville TN. Tom gave me a tour of the station. I'm sure that few tourists get to see the inside of this great radio station, one of the top country music radio stations in the country. WSM-AM broadcasts the Grand Ole Opry. Even if you are not a country music fan, it is great fun to see this great radio program performed live. All the different styles of country music are spotlighted in the two and a half hour radio show.

One other person must be thanked- Lester Smith of someplace in Tennessee. Mr. Smith saved our trip after we broke down on I-40 just outside of Knoxville. Mr. Smith (who I doubt is a WFDA member) helped us repair the car so we were able to continue. When I offered him money for his time and help, he said, "Lester Smith believes in Tennessee!!"

Now on to the highlights of the bandscans. There is a new FM station in Spottsylvania VA- WYND 99.3, "The Wind", with a format I have not heard elsewhere. They call their format "Sophisticated". They play a combination of jazz, beautiful music and foreign language songs. It is a format that can not be adequately explained.

Nashville has more LPTV's than any other place I've been to. I received 5 LPTV's. W10BI and W61AR have the same programs. They broadcast movies, AVN home shopping and some local programming. W24AE calls itself "The Classified Channel" It carries classified ads 24 hours a day. There is an LPTV on channel 36 carrying TBN. Does TBN ever do any preaching? Everytime I watch a TBN station, the are broadcasting a 'Beg-a-thon'. What is good about their 'Beg-a-thon's' is that they will tell where their stations are and may hint as to where the new stations are going. I am surprized that there isn't a TBN station covering New York City or Long Island. The final LPTV station I received in Nashville was TV66. (Tom, you'll have to help me with the call letters of the last two LPTV's!) It showed programs from the weather channel and the ACTS cable network. Reception of "TV66" was better north of Nashville.

I picked up one other TBN LPTV, on channel 16 in the Cumberland MD region. Anyone have any idea of the call letters?

We did hear several interesting AM stations along the way. Several stations played Blue Grass Music. One station in Grayson KY played the theme song to the "Beverly Hill Billies". We thought this was appropriate for the area we were driving through!

Well, it is time to close for another month. Joyce and I wish everyone Happy Holidays and a Happy 1989!!!

W24AE

NEW!

ez24

CHANNEL 24 - THE CLASSIFIED CHANNEL

Steven P. Sprachman.

TV8
WCHS

People you can count on

FEEDBACK

IS WTFDA'S ANNUAL SUMMERTIME CONVENTION HELD TOO LATE IN THE SEASON FOR DXERS? MEMBER FRANK MERRILL SAYS IT WOULD BE BETTER AS A SPRING EVENT

The fact that I have attended only about one half of all WTFDA conventions is testimony to this exact problem. I'm a multi-convention attendee. In years when the IRCA convention is in a location I really need to visit (which often does happen) I have often foregone WTFDA because the conventions were "too close" in timing. Several people I talked to (Dr. Elving, for one) felt it was pointless to attend because of the time of year; "who's gonna go to Georgia in August?" Therefore, with the time of year, it appears that a large swath of the country (ie., the South) is unwise for a convention because some people won't travel there in August. An earlier convention would make any part of the U.S., including the South, hospitable. I would not have attended this year except that Louisville IRCA (the preceding week) "lined up" nicely with Chatsworth WTFDA. This has happened only twice in 17 years that 2 conventions have "lined up." More often, I have had to forego one or two conventions to attend a badly-wanted one.

The location of IRCA this year (probably Sacramento) totally precludes me from attending WTFDA, because the two are too close together on the calendar again. I have now missed 7 or 8 conventions due to such date conflicts. I have had friends (DX) complain, too, that there is "way too much convention" for a few weeks, then almost a year of nothing.

Whereas early August is during prime TV/FM DX season and many DX'ers hope to be able to take advantage of the frequent openings and add stations to their log totals; and it is sometimes difficult to arrange vacations in early August because people in many workplaces must "fight" for these choice days, and only three or four (at most) of the people to attend WTFDA Conventions in recent years are students or instructors in school, therefore giving an August convention little advantage over other times; families normally want to take vacations at this time of year and probably do not want to "waste" them at a DX convention, therefore possibly discouraging some family-people from attending; all four of the major U.S. DX conventions (ANARC, WTFDA, IRCA and NRC) take place between July 4 and Labor Day, meaning possible "convention and travel burnout" in summer followed by 43 or 44 weeks with no conventions whatsoever...(I suggest that WTFDA) consider the possibility of holding the Club convention in the springtime, perhaps during April or May before the Sporadic E season really gets into full swing. I also suggest the possibility of presenting this proposal to the club and having the membership-at-large, or convention attendees, vote their feelings about such an idea. In either case it should be mentioned that all the other major DX clubs have their conventions at virtually the same time, followed by a horrendous dry spell of no major conventions, and spacing conventions apart would surely make it easier for those people who want to attend multiple conventions.

Frank Merrill
(WTFDA member; 10/17/88)

STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

WANTED - Transistorized UHF converter with channel 6 output.
Jerry Beaudin - P.O. Box 146 - Curtis MI 49820; (906) 586-3021

FOR SALE - (new) Zenith 973-227 UHF YAGI chs 14-73 made by Delhi, \$24.95 + 6.00 UPS; Antennacraft SA-1 Scanner Antenna 30-890 MHz, \$29.95 + 6.00 UPS; Winegard BF-8809 FM car amplifier (used, good condition) \$15.00 + 2.00 UPS; Channel Master 4193 UHF corner bowtie, large (used, fine) \$20.00 + \$6.00 UPS; call or write Rich Wertman - 6150 Crosby Rd. - Lockport NY 14094; (716) 433-0805

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

SPECIAL OFFER

1989 World Radio TV Handbook

The 1989 WRTH will be published in Jan. 1989 and retail at \$19.95 + shipping.

Prepublication orders are being taken, in the USA only, at \$16 each; 2/\$29; 3/\$39 postpaid Book Rate. Add \$2/copy First Class Mail. CA residents, please add 96 cents sales tax. The deadline for this special price structure is 15 January 1989. Thereafter, until further notice, please add \$2 per book. Orders, with check or money order payable to CENTURY PRINT SHOP, including applicable sales tax, should be mailed as early as possible to: Century Print Shop, Don Erickson, 6059 Essex Street, Riverside, CA 92504-1599. (Please mention your club affiliation or source of info when ordering). Inquiries welcome at (714) 687-5910. Back copies of WRTH, 1981 thru 1988, may be ordered at \$15 ea., 2/\$27, 3/\$38, 4/\$48, mix or match years.





WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, NY 14205-0514-USA.



THE WF-LF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION. W.T.F.D.A. IS A NON-PROFIT ORGANIZATION, A MEMBER CLUB IN THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS, AND IS GOVERNED BY A FIVE-PERSON BOARD OF DIRECTORS, COMPOSED OF: BILL FABER, MICHAEL HOGAN, DAVID JANDLIK, STEVEN SPRACHMAN, BILL THOMPSON. PERSONS CONTRIBUTING THEIR EFFORTS FOR THE WORLDWIDE TV-FM DX ASSOCIATION MUST DO SO WITHOUT ANY MONETARY COMPENSATION. ALL MEMBERS, INCLUDING BOARD MEMBERS AND EDITORS, ARE REQUIRED TO PAY DUES, DUES AND ALL OTHER REVENUE COVER PRINTING, POSTAGE, AND OTHER CLUB EXPENSES.

COLUMNS FEATURED IN THE WF-LF DIGEST:

NAB NEWS by PAUL STITEL
QSL CORNER/LOGS RUN by THOMAS YINGLING
FCC FM NEWS by BRUCE F. ELVING, Ph.D.
TELEVISION NEWS by BILL FABER
WESTERN TV-DX by FRED McCOMACK
AMARC UPDATE by STEVEN P. SPRACHMAN
EASTERN TV-DX by JOHN F. COMBS
PHOTO NEWS by DAVE NIDMAN
TECHNICAL TOPICS by TIM McVEY
SOUTHERN FM-DX by DANNY BUNTIN
CC1 (UNIDENTIFIED DX) by BOB GRANT
NORTHERN FM-DX by GREG CONIGLIO
SATTELLITE NEWS by GEORGE W. JENSEN
FM STATISTICS by JOHN O. BROOKHALL
TV STATISTICS by BOB SETBOLD
FM STATISTICS by FRED NORDQUIST
SEND YOUR INFORMATION FOR THESE SECTIONS DIRECTLY TO THE APPROPRIATE EDITORS;
THEIR ADDRESSES APPEAR ON THE FIRST PAGE OF THEIR COLUMNS.

OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY AGREED UPON IN WRITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE WF-LF DIGEST BECOMES THE PROPERTY OF W.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE WF-LF DIGEST WITHOUT PERMISSION OF W.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRANTED SUCH PERMISSION PROVIDING PROPER CREDIT IS GIVEN TO THE SOURCE.

first class mail

13310



ANNUAL DUES: UNITED STATES AND CANADA: \$15.00
OUTSIDE NORTH AMERICA: \$24.00
PAYMENT MUST BE IN U.S. FUNDS ONLY.
MAKE CHECK OR MONEY ORDER PAYABLE TO WORLDWIDE TV-FM DX ASSOCIATION.